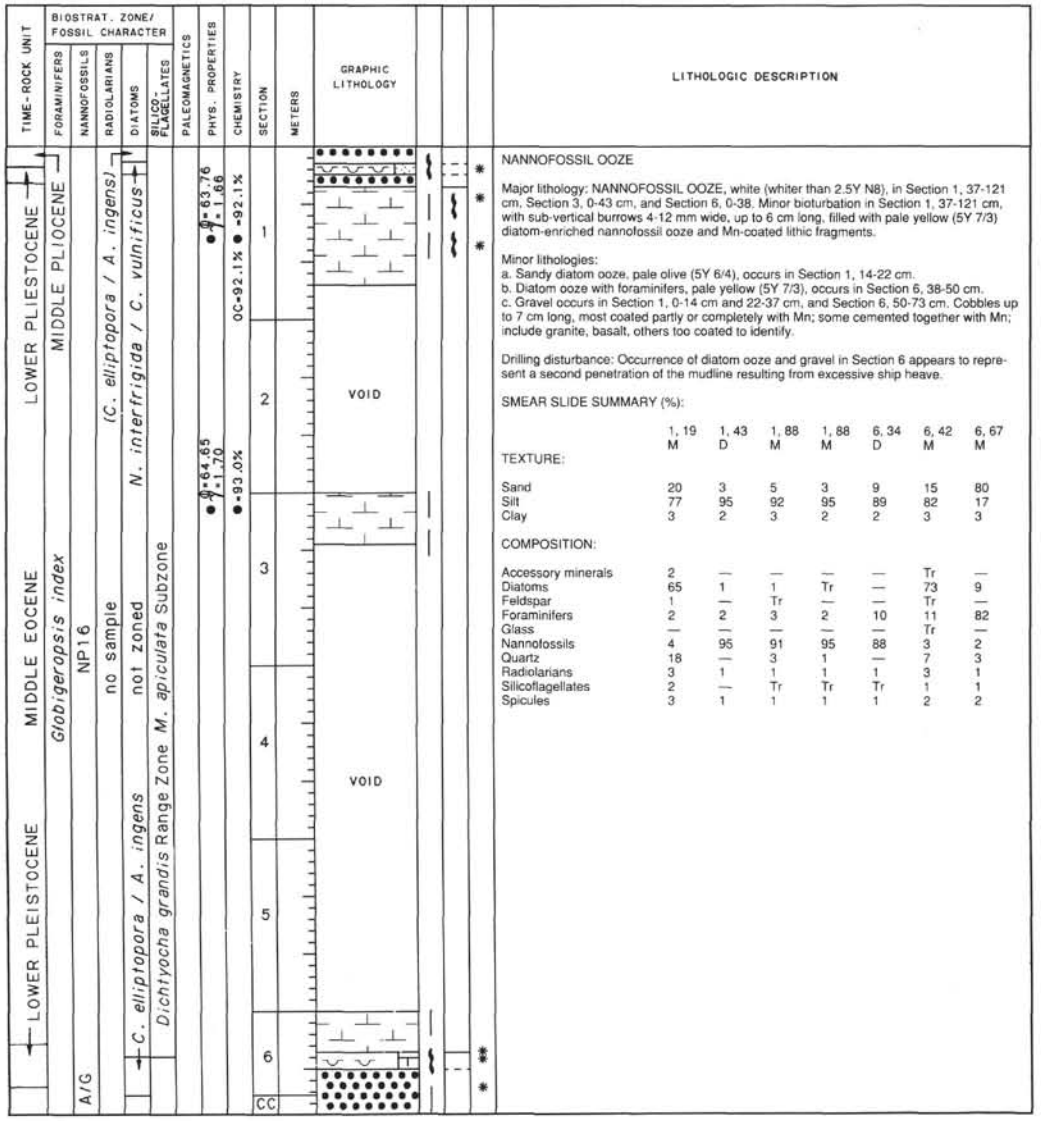
SITE 750 HOLE A CORE 1R CORED INTERVAL 0.0-7.9 mbsf



NANNOFOSSIL OOZE

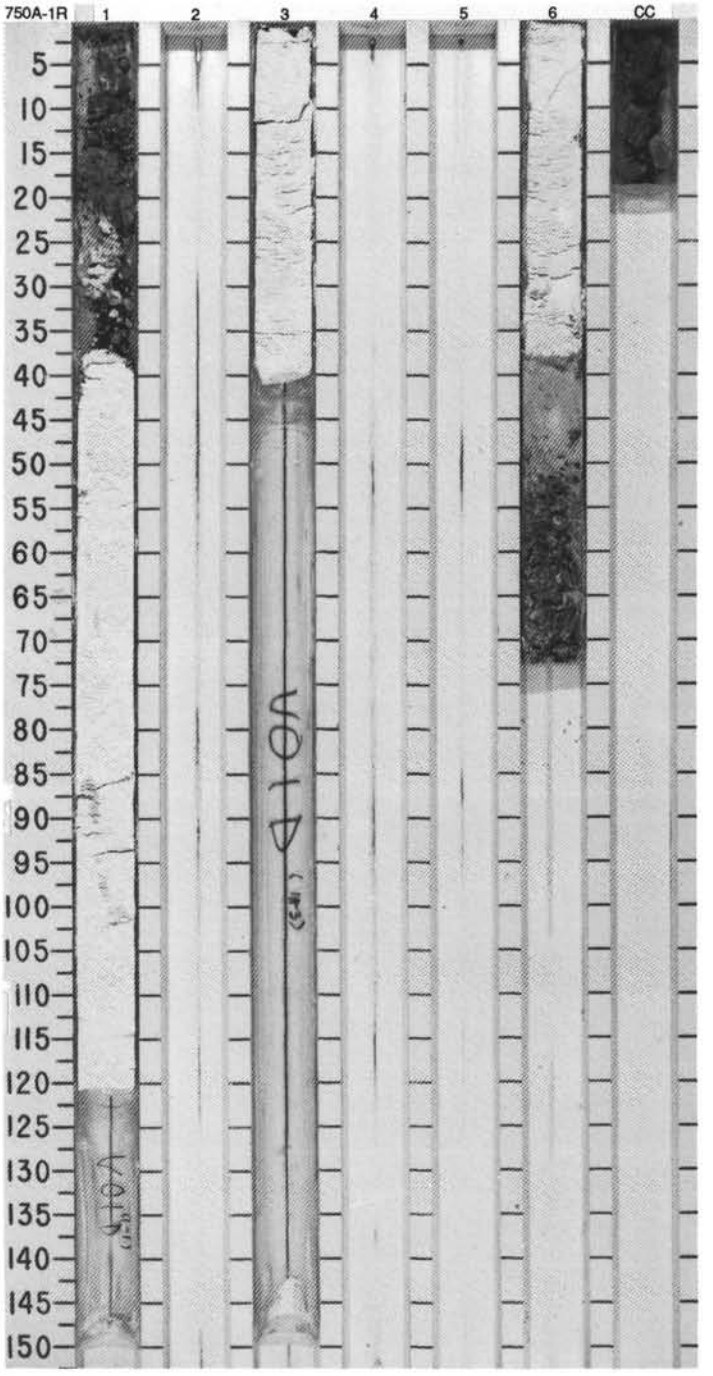
Major lithology: NANNOFOSSIL OOZE, white (whiter than 2.5Y N8), in Section 1, 37-121 cm, Section 3, 0-43 cm, and Section 6, 0-38. Minor bioturbation in Section 1, 37-121 cm, with sub-vertical burrows 4-12 mm wide, up to 6 cm long, filled with pale yellow (5Y 7/3) diatom-enriched nannofossil ooze and Mn-coated lithic fragments.

Minor lithologies:
a. Sandy diatom ooze, pale olive (5Y 6/4), occurs in Section 1, 14-22 cm.
b. Diatom ooze with foraminifers, pale yellow (5Y 7/3), occurs in Section 6, 38-50 cm.
c. Gravel occurs in Section 1, 0-14 cm and 22-37 cm, and Section 6, 50-73 cm. Cobbles up to 7 cm long, most coated partly or completely with Mn; some cemented together with Mn; include granite, basalt, others too coated to identify.

Drilling disturbance: Occurrence of diatom ooze and gravel in Section 6 appears to represent a second penetration of the mudline resulting from excessive ship heave.

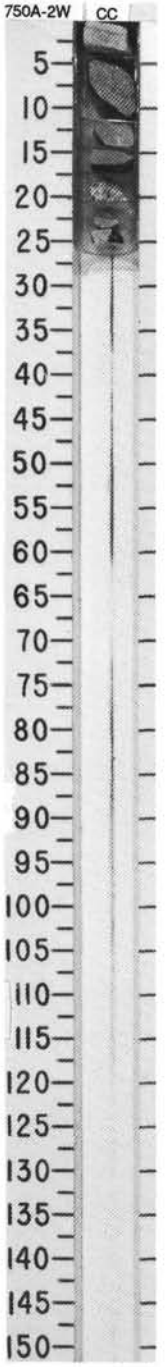
SMEAR SLIDE SUMMARY (%):

	1, 19 M	1, 43 D	1, 88 M	1, 88 M	6, 34 D	6, 42 M	6, 67 M
TEXTURE:							
Sand	20	3	5	3	9	15	80
Silt	77	95	92	95	89	82	17
Clay	3	2	3	2	2	3	3
COMPOSITION:							
Accessory minerals	2	—	—	—	—	Tr	—
Diatoms	65	1	1	Tr	—	73	9
Feldspar	1	—	Tr	—	—	Tr	—
Foraminifers	2	2	3	2	10	11	82
Glass	—	—	—	—	—	Tr	—
Nannofossils	4	95	91	95	88	3	2
Quartz	18	—	3	1	—	7	3
Radiolarians	3	1	1	1	1	3	1
Silicoflagellates	2	—	Tr	Tr	Tr	1	1
Spicules	3	1	1	1	1	2	2



SITE 750 HOLE A CORE 2W CORED INTERVAL 7.9-56.4 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
no sample								CC			X			METAMORPHIC AND IGNEOUS COBBLES Major lithology: METAMORPHIC and IGNEOUS COBBLES, probably downhole contaminants. Include metamorphosed arkose, biotite gneiss, foliated granite, amphibolite, very coarse-grained hornblende biotite leucogranite, and granite.



SITE 750 HOLE A CORE 3R CORED INTERVAL 56.4-65.4 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	SILICOFLAGELLATES	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
LOWER MIDDLE EOCENE	*Globigeropsis index*	probably NP15	EOCENE	not zoned	*Dichtyocha grandis* Range Zone *M. apiculata* Subzone		ρ=60.84 ●=1.73	%$CaCO_3$ ● =94.9% OC=0.00%	1 2 3 4 5 6 CC	0.5 1.0				** *

LITHOLOGIC DESCRIPTION

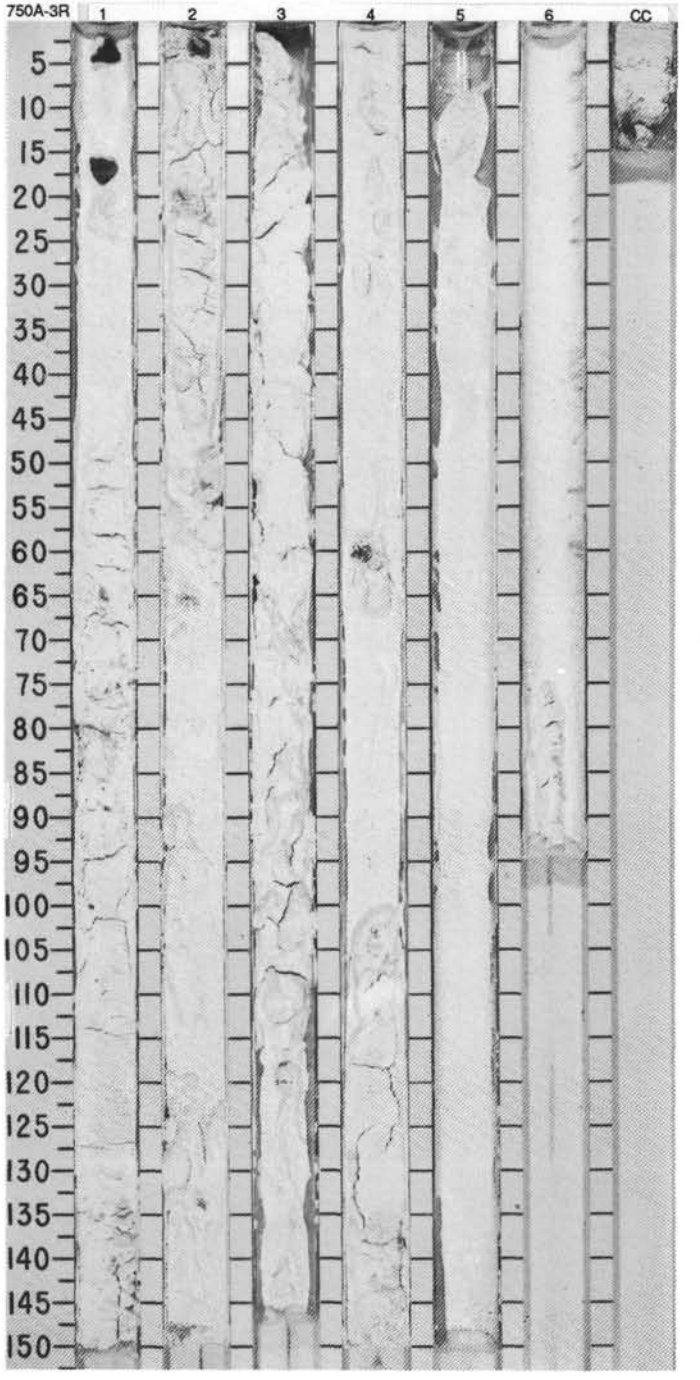
NANNOFOSSIL OOZE

Major lithology: NANNOFOSSIL OOZE white (whiter than 2.5Y N8), apparently uniform, *without mottling or bioturbation, but highly disturbed by drilling.* Downhole contaminants throughout include sand- to cobble- size drilling breccia of igneous and metamorphic rocks.

Minor lithology: Foraminifer diatom ooze, pale yellow (5Y 7/4) occurs in splotches in highly disturbed portions of Sections 1 and 2.

SMEAR SLIDE SUMMARY (%):

	1, 112 M	1, 122 D	2, 65 M
TEXTURE:			
Sand	4	2	25
Silt	94	96	72
Clay	2	2	3
COMPOSITION:			
Diatoms	—	—	60
Foraminifers	7	6	35
Glass	—	Tr	—
Nannofossils	91	93	3
Radiolarians	1	Tr	1
Silicoflagellates	—	Tr	—
Spicules	1	1	1



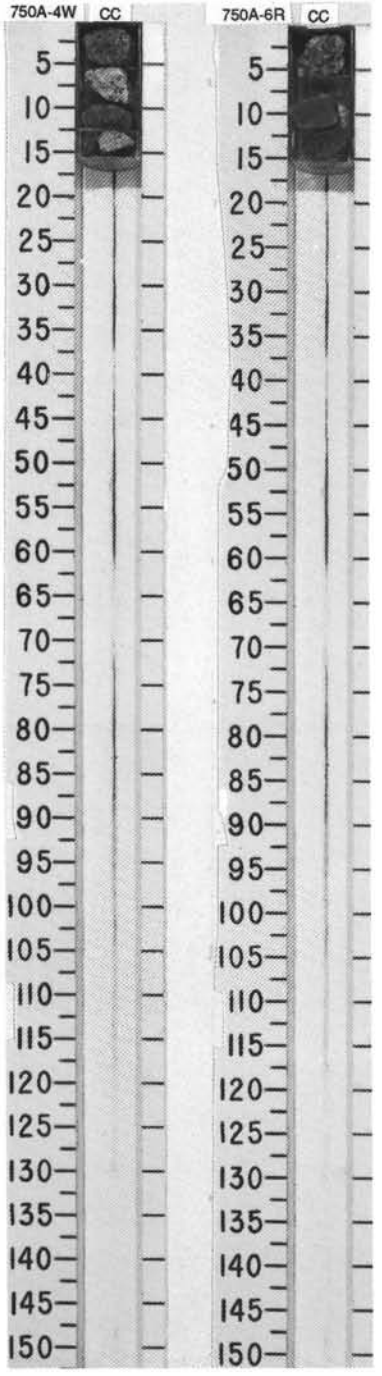
SITE 750 HOLE A CORE 4W CORED INTERVAL 65.4-143.3 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
no sample								CC						IGNEOUS AND METAMORPHIC COBBLES Major lithology: IGNEOUS and METAMORPHIC COBBLES occur as downhole contaminants in the CC; lithologies include granodiorite, coarse-grained biotite hornblende leucogranite, coarse-grained granite, microgranite, and amphibolite.

CORE 120-750A-5R NO RECOVERY

SITE 750 HOLE A CORE 6R CORED INTERVAL 153.0-162.6 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
no sample								CC						IGNEOUS AND METAMORPHIC COBBLES Major lithology: IGNEOUS and METAMORPHIC COBBLES occur as downhole contaminants in CC; lithologies include coarse-grained granodiorite, subrounded red laminated quartzite, and biotite gneiss.

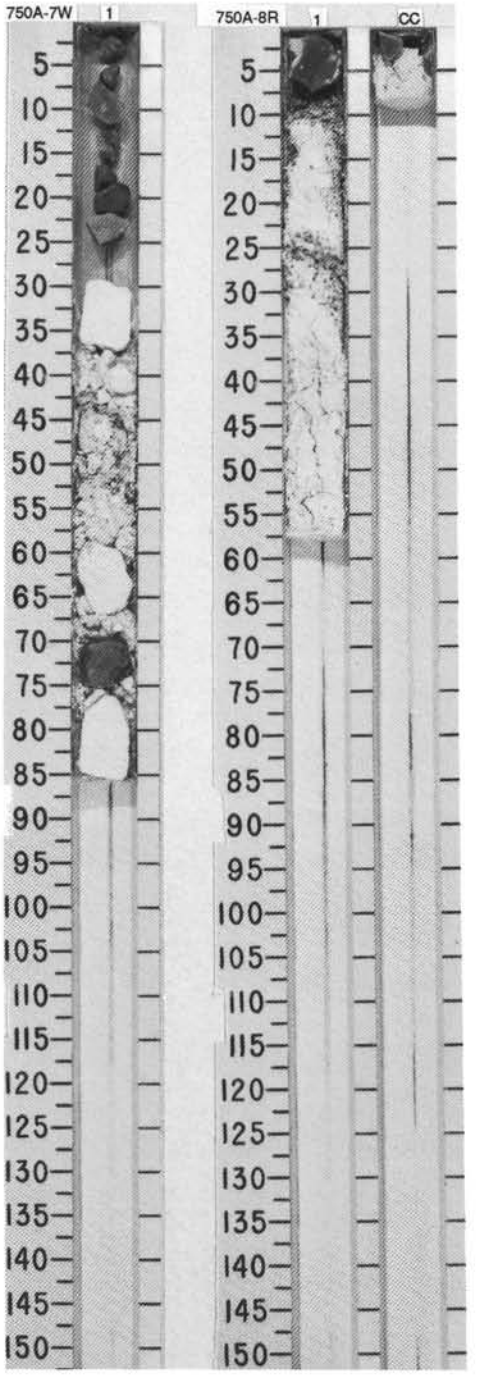


SITE 750 HOLE A CORE 7W CORED INTERVAL 162.6-159.2 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
LOWER EOCENE	*A. wilcoxensis - A. pseudotopilensis*	NP12	Barren	Barren		●-5.41 ▽-2.82	%$CaCO_3$ ●-95.6%	1	0.5				*	NANNOFOSSIL CHALK Major lithology: NANNOFOSSIL CHALK, white (whiter than 2.5Y N8), highly fractured and disturbed by drilling, with drilling breccia of white (2.5Y N8) porcellanite, olive (5Y 4/3) chert, and downhole contaminants (igneous and metamorphic cobbles and breccia). SMEAR SLIDE SUMMARY (%): 1, 78 D TEXTURE: Sand 1 Silt 90 Clay 9 COMPOSITION: Accessory minerals Tr Diatoms Tr Foraminifers 3 Micrite 5 Nannofossils 90 Spicules Tr

SITE 750 HOLE A CORE 8R CORED INTERVAL 259.2-268.9 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
LOWER EOCENE	*A. wilcoxensis - A. pseudotopilensis*	NP12	Barren	Barren			%$CaCO_3$ ●-95.4%	1 CC	0.5				*	NANNOFOSSIL CHALK Major lithology: NANNOFOSSIL CHALK, white (whiter than 2.5Y N8), completely disturbed by drilling, with drilling breccia of white porcellanite (2.5Y N8), olive chert (5Y 4/3), and downhole contaminants (igneous and metamorphic rocks). SMEAR SLIDE SUMMARY (%): 1, 53 D TEXTURE: Sand 1 Silt 90 Clay 9 COMPOSITION: Foraminifers 1 Micrite 5 Nannofossils 90 Spicules 1

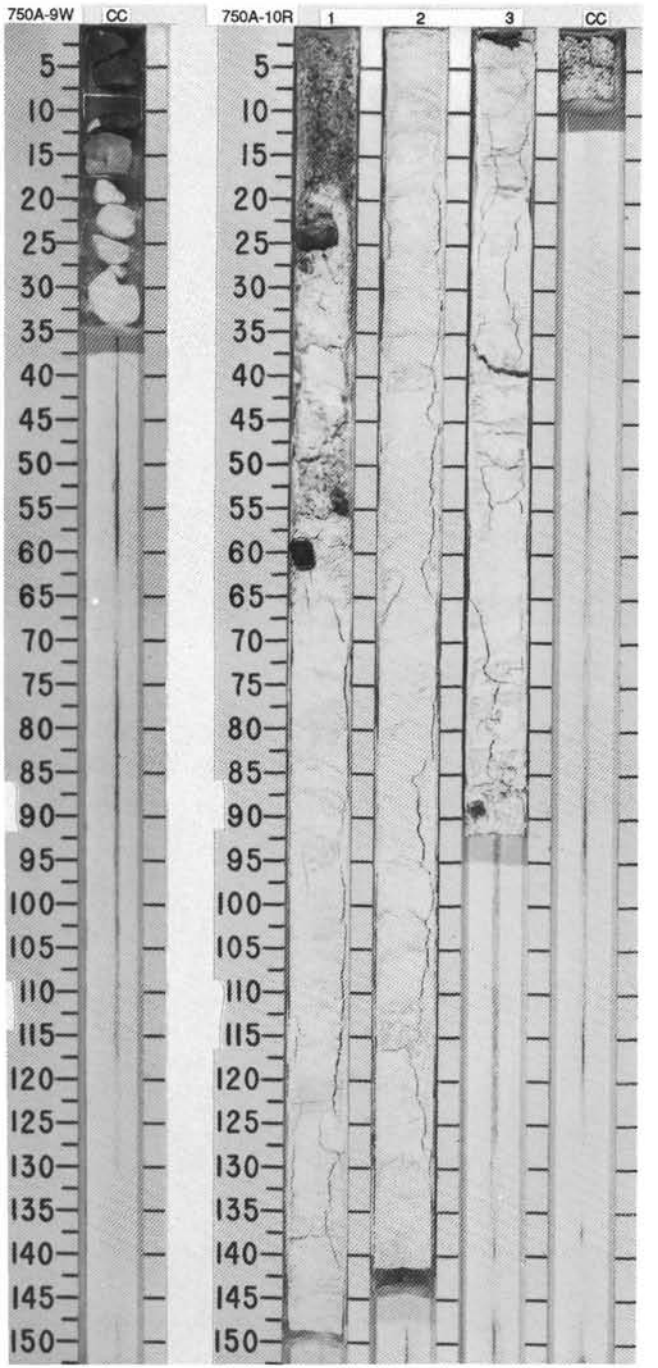


SITE 750 HOLE A CORE 9W CORED INTERVAL 268.9-297.8 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
LOWER UPPER PALEOCENE	*Morozovella angulata* (P3B)	NP6	Barren	Barren				CC			X X		*	NANNOFOSSIL CHALK Major lithology: NANNOFOSSIL CHALK, white (10YR 8/1), with white burrows (whiter than 10YR 8/1), Planolites, and Zoophycos in CC, 29-33. Minor lithology: Chert, dark gray (10YR 4/1) to dark yellowish brown (10YR 4/4), with chalk patinas; also, gray (10YR 6/1) porcellanite fragments. Drilling disturbance: This is a wash core; material is not stratigraphically in place. SMEAR SLIDE SUMMARY (%): CC, 30 D TEXTURE: Sand 3 Silt 95 Clay 2 COMPOSITION: Foraminifers 3 Nannofossils 97

SITE 750 HOLE A CORE 10R CORED INTERVAL 297.8-307.5 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
LOWER UPPER PALEOCENE	*Morozovella angulata* (P3B)	A/G NP5	Barren	Barren	O	● Φ=49.08 ρ=2.01 ● Φ=47.97 ρ=2.01	● =95.4% ● =95.4% ● =94.7%	1 2 3 CC	0.5 1.0				* IW	NANNOFOSSIL CHALK Major lithology: NANNOFOSSIL CHALK, white (N8/0), no visible structures, slightly to highly disturbed by drilling. Minor lithologies: a. Chert, brown to black, occurs as drilling breccia in Section 1, 0-50 cm, and CC. b. Dropstones occur as caved-in material; granite and quartz diorite, 5-8 cm in diameter in Section 1, 0-50 cm; schist fragment, 3 cm diameter in Section 1, 60 cm. SMEAR SLIDE SUMMARY (%): 1, 100 D TEXTURE: Sand 1 Silt 95 Clay — COMPOSITION: Foraminifers 3 Nannofossils 95

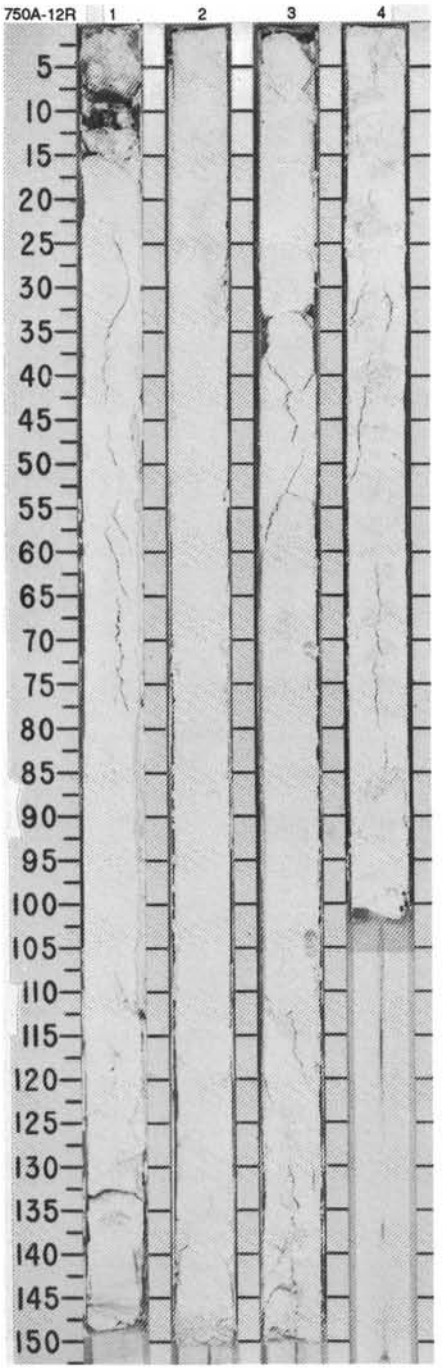


SITE 750 HOLE A CORE 11R CORED INTERVAL 307.5-317.2 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
UPPER DANIAN	P1C	NP4	Barren			● 1.71 ● 1.84	● 95.8% ● 96.1% %$CaCO_3$	1 2	0.5 1.0				**	NANNOFOSSIL CHALK Major lithology: NANNOFOSSIL CHALK, white (N8/0), structures obscured by drilling. Minor lithology: Chert, brown (7.5YR 4/6), occurs evidently *in situ* in Section 2, 64-68 cm. N.B.: No CC. SMEAR SLIDE SUMMARY (%): 1, 50 D — 1, 59 D COMPOSITION: Foraminifers 1 — 5 Nannofossils 96 — 91

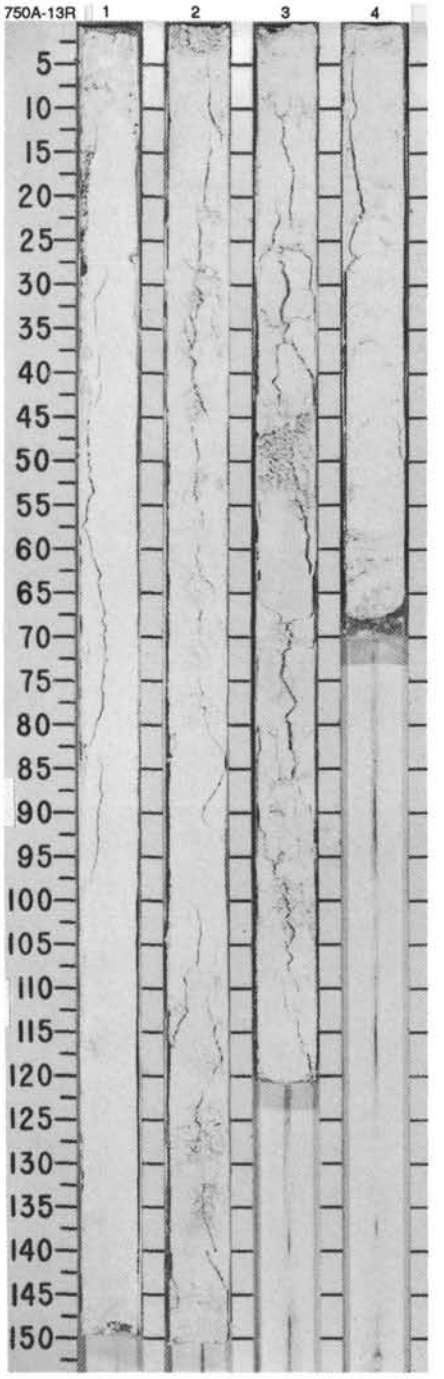
SITE 750 HOLE A CORE 12R CORED INTERVAL 317.2-326.8 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
UPPER DANIAN	P1C	NP3	Barren	Barren	○	● ϕ = 50.24 ● ϕ = 52.55 ● ϕ = 49.93 ● ϕ = 1.94 ● ϕ = 1.84 ● ϕ = 2.09	%CaCO3 ● = 95.6% ● = 94.9% ● = 95.8% ● = 96.4%	1 2 3 4	0.5 1.0	VOID		* *		NANNOFOSSIL CHALK Major lithology: NANNOFOSSIL CHALK, white (N8/0); minor disturbance, slightly fractured in Sections 3 and 4. Dissolution/compaction seams occur in Section 7, 143-147 cm. Mottling (probably burrows) occurs in Section 2, 0-34 cm. N.B.: No CC. SMEAR SLIDE SUMMARY (%): 1, 145 M; 2, 50 D TEXTURE: Silt 80 — Clay 20 — COMPOSITION: Feldspar Tr — Foraminifers 2 3 Nannofossils 95 95



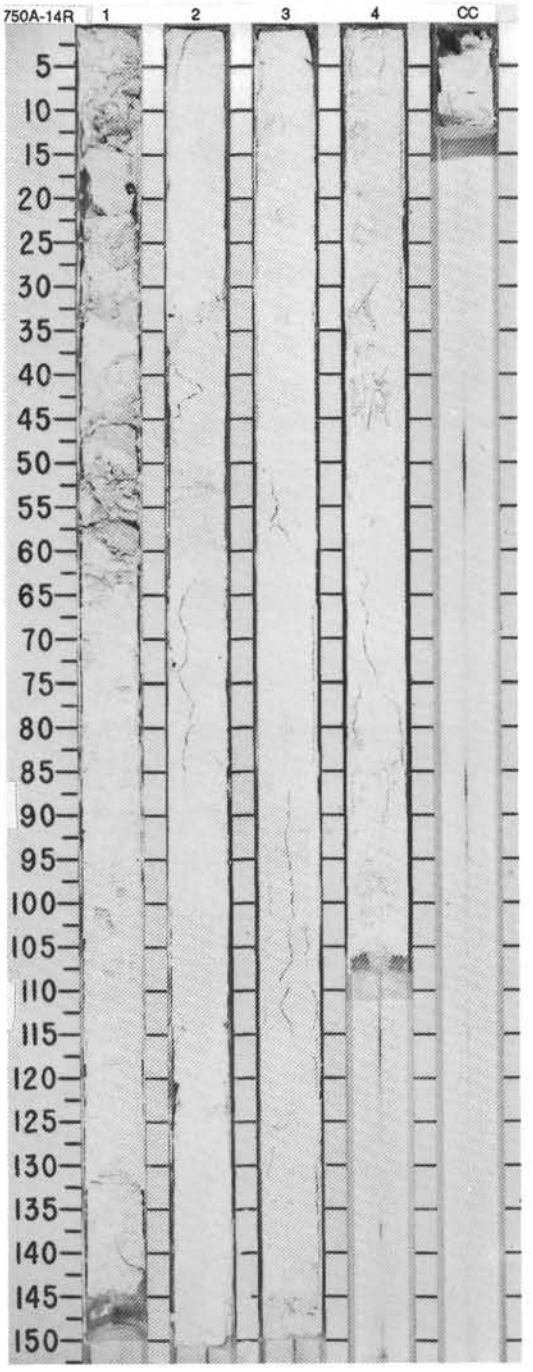
SITE 750 HOLE A CORE 13R CORED INTERVAL 326.8-336.5 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
UPPER DANIAN	P1C	NP3	Barren			ρ=48.92 γ=1.97 ρ=49.49 γ=1.94	%$CaCO_3$ =92.6% OC=0.13% =94.6% =94.0%	1 2 3 4	0.5 1.0				* *	NANNOFOSSIL CHALK Major lithology: NANNOFOSSIL CHALK, white (N8/0) to slightly darker shade of white in Section 3, 25-100 cm. Slightly to moderately fractured; drilling biscuits occur in Section 3. Faint dissolution/compaction seams occur in Section 3, 25-100 cm; these show poor preservation of calcareous microfossils. Minor lithology: Chert occurs as drilling breccia in Section 1, 0-30 cm. N.B.: No CC. SMEAR SLIDE SUMMARY (%): 1, 70 D — 3, 70 M COMPOSITION: Foraminifers 4 7 Nannofossils 92 90



SITE 750 HOLE A CORE 14R CORED INTERVAL 336.5-346.1 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
MIDDLE DANIAN	P1B	NP3	Barren	Barren		ϕ = 50.77 ρ = 1.97 ϕ = 50.52 ρ = 1.90	●=94.6% ●=92.1% ●=95.0% %$CaCO_3$ ●=95.8%	1 2 3 4 CC	0.5 1.0			*	*	*	NANNOFOSSIL CHALK Major lithology: NANNOFOSSIL CHALK, white (N8/0), uniform. Minor fracturing; dissolution/compaction seam occurs in Section 2, 50 cm. Minor lithology: Chert occurs as a drilling breccia in Section 1, 0-10 cm. SMEAR SLIDE SUMMARY (%): 1, 100 D; 2, 51 D; 4, 50 D COMPOSITION: Calcispheres 5 2 2 Foraminifers 2 4 7 Hematite — — Tr Nannofossils 90 90 87



SITE 750 HOLE A CORE 15R CORED INTERVAL 346.1-355.8 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
UPPER MAESTRICHTIAN – LOWER DANIAN													
UPPER MAESTRICHTIAN (*A. mayaroensis*)	P1A-P1B												
A/G	*N. frequens*	NP2											
		NP1?	Barren	Barren									
					○	● ρ=50.19 ρ=2.05	● ρ=49.45 ρ=1.94						
							$CaCO_3$ =88.7% ● OC=0.16%	● =94.7%	OC=0.01%				
								1	0.5 1.0				*
								2					*
								3					* * *

LITHOLOGIC DESCRIPTION

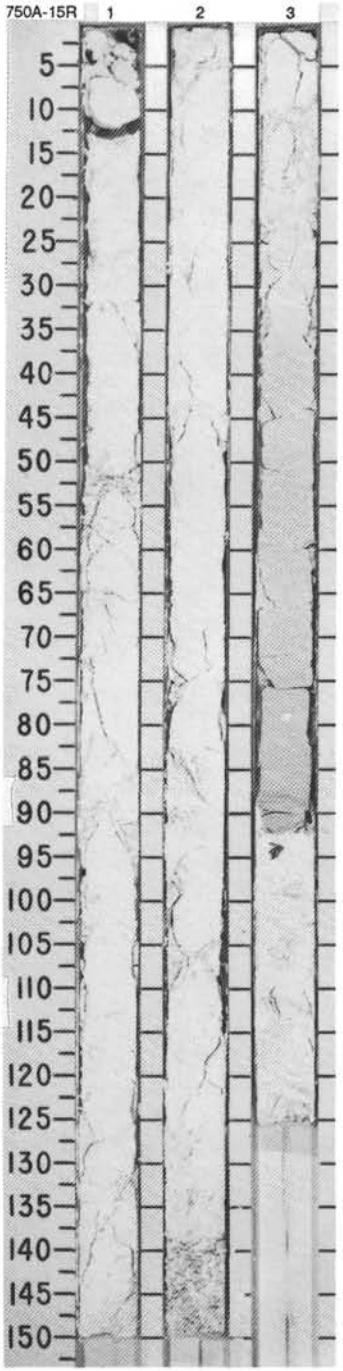
NANNOFOSSIL CHALK

Major lithology: NANNOFOSSIL CHALK, white (N8/0), between Section Section1, 0 cm and Section 3, 22 Section 3, 90-125 cm; olive gray in Section 3, 22-90 cm. Upper contact between colors in gradational, lower contact probably produced by drilling. Slight fracturing 22-90 cm, moderate fracturing in the rest of the core. Moderate bioturbation occurs in Section 3, 22-90 cm, with 1-2 cm-scale flattened Zoophycos burrows. Dissolution/compaction seams (disturbed by drilling) in Section 3, 98 cm, 110-112 cm, 113-115 cm, and 118-121 cm.

Minor lithology: Chert fragments occur in Section 1, 0-5 cm, and in Section 3, 92-95 cm.
N.B.: No CC.

SMEAR SLIDE SUMMARY (%):

	1, 70 D	2, 60 D	3, 38 D	3, 70 D	3, 116 D
TEXTURE:					
Silt	—	—	—	—	100
COMPOSITION:					
Calcareous fragments	—	—	Tr	3	—
Calcispheres	—	2	—	—	—
Foraminifers	7	5	10	5	2
Nannofossils	90	90	85	90	95
Zeolite	—	—	Tr	Tr	—



SITE 750 HOLE A CORE 16R CORED INTERVAL 355.8-365.3 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
UPPER MAESTRICHTIAN	*A. mayaroensis*	*N. frequens*	Barren			ρ=1.92 ρ=1.95 ρ=1.87	$CaCO_3$ = 95.7% $CaCO_3$ = 95.0%	1 2 3 4	0.5 1.0	VOID VOID VOID			OG IW	

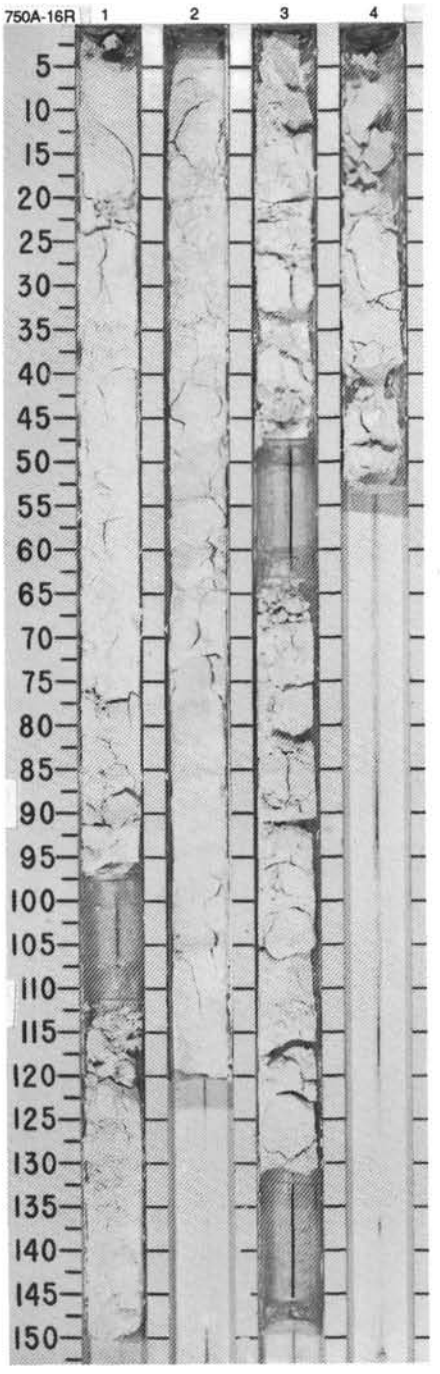
NANNOFOSSIL CHALK

Major lithology: NANNOFOSSIL CHALK, white (N8/0) to light gray (10YR 7/1); contains dissolution/compaction seams in Section 2 at 12 cm, 41 cm, 54 cm, and 105 cm. Is moderately fractures in Sections 1 and 2, highly fracture in Sections 3 and 4. Calcareous fragments and echinoid spines (trace amounts) occur.

N.B.: No CC.

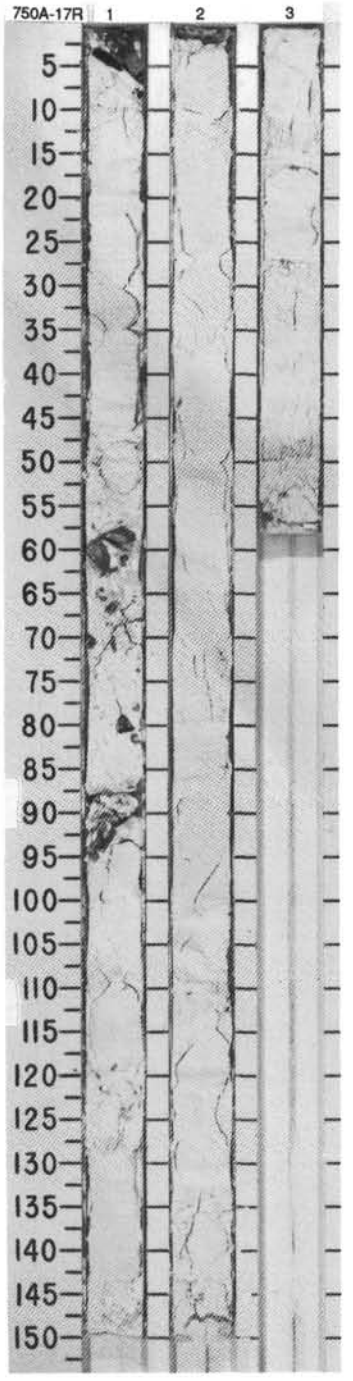
SMEAR SLIDE SUMMARY (%):

	2, 77 D	2, 80 D
COMPOSITION:		
Calcareous fragments	1	5
Echinoid spine	—	Tr
Foraminifers	5	1
Nannofossils	90	90



SITE 750 HOLE A CORE 17R CORED INTERVAL 365.3-375.0 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
UPPER MAESTRICHTIAN	*A. mayaroensis*	A/G *N. frequens*	Barren	Barren	•	ϕ = 50.40 ρ = 2.00	• = 96.8% • = 95.9% • = 94.1% $CaCO_3$	1 2 3	0.5 1.0				*	NANNOFOSSIL CHALK Major lithology: NANNOFOSSIL CHALK, white (N8/0) with light gray (10YR 7/1), dissolution/ compaction seams in Section 1 at 1-11 cm, 15 cm, 38 cm, 40 cm, 42 cm, 45 cm and 49 cm; in Section 2 at 51-52 cm , 60-62 cm, 79 cm, 82 cm, 85 cm, 119-120 cm, and 129-130 cm; Section 3, 17 cm, 23 cm and 48 cm. Foraminifers are well preserved. Minor lithology: Chert fragments, black to gray, occur in Section 1, 58-90 cm. N.B.: No CC. SMEAR SLIDE SUMMARY (%): 2, 45 D / 2, 83 D / 3, 17 M COMPOSITION: Calcareous fragments 3 / 1 / — Clay — / — / 45 Echinoid spine — / Tr / — *Foraminifers* 5 / 4 / — Nannofossils 90 / 90 / — Plagioclase — / — / 2 Zeolite — / — / 50



SITE 750 HOLE A CORE 18R CORED INTERVAL 375.0-384.7 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
MAESTRICHTIAN	*A. mayaroensis*	C/M	*N. frequens*	Barren		● ϕ=52.22 ϕ=1.20 ϕ=1.99 ϕ=2.70	● $CaCO_3$=94.6% OC=0.04%	1	0.5 1.0				*
								2					

LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK

Major lithology: NANNOFOSSIL CHALK, white (N8/0) with light gray (10YR 7/1), dissolution/compaction seams. Few foraminifers occur. Highly fractured throughout.

Minor lithology: Dark gray chert fragments occur in Section 1, 30-50 cm, Section 2, 61-79 cm, and Section 3, 25-45 cm.

N.B.: No CC.

SMEAR SLIDE SUMMARY (%):

	1, 75 D
COMPOSITION:	
Calcareous fragments	Tr
Foraminifers	2
Nannofossils	95

SITE 750 HOLE A CORE 19R CORED INTERVAL 384.7-394.4 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
UPPER MAESTRICHTIAN	*G. gausseri*	C/M	*N. frequens*	Barren		● ϕ=53.68 ϕ=1.92	● $CaCO_3$ -94.1% ● OC=0.00% ● $CaCO_3$=93.7%	1	0.5 1.0				*
				Barren	○			2					*
								3					OC IW *

LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK

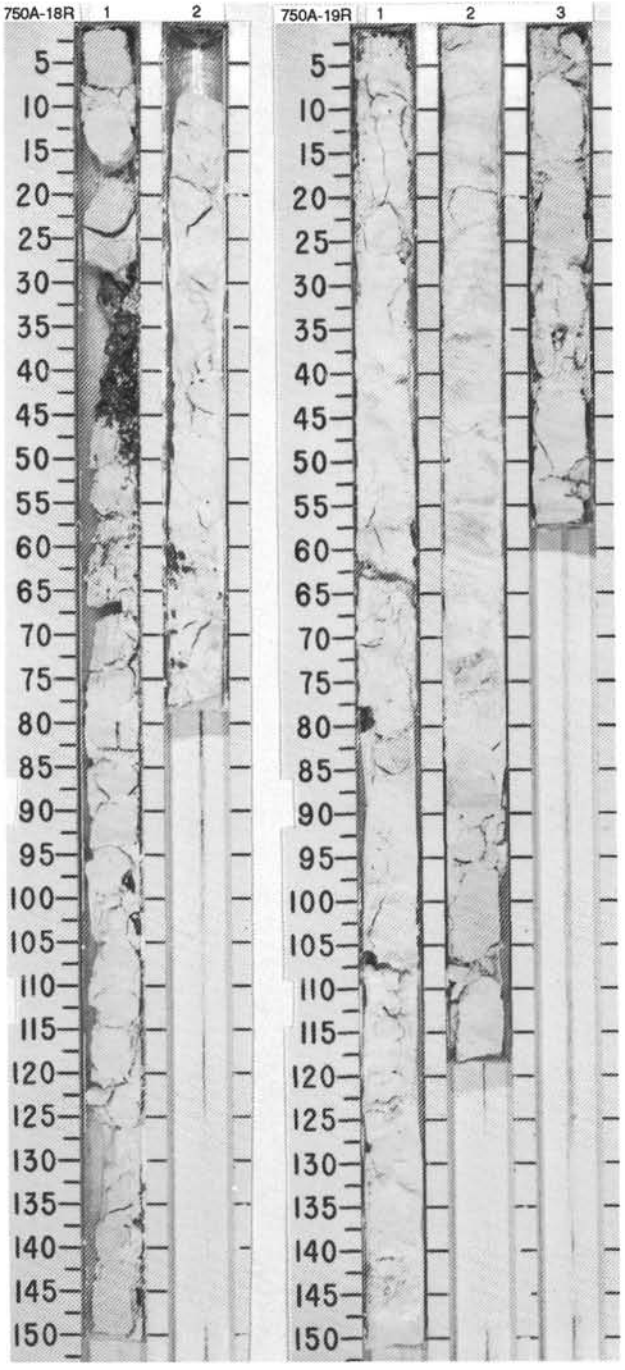
Major lithology: NANNOFOSSIL CHALK, white (N8/0), moderately fractured throughout (drilling biscuits). Moderately bioturbated (Zoophycos). Light gray (10YR 7/1) laminae occur in Section 1 at 10-11 cm, 20-25 cm, and 57-58 cm, and in Section 2 at 8-12 cm and 86-90 cm. Gray streaks in Section 1, 140-145 cm, represent pyrite-coated foraminifers. Zeolitic seams occur in Section 1, 56-57 cm. A brachiopod occurs in Section 1, 67 cm.

Minor lithology: Chert fragments occur in Section 1, 0-25 cm, 80 cm and 108 cm.

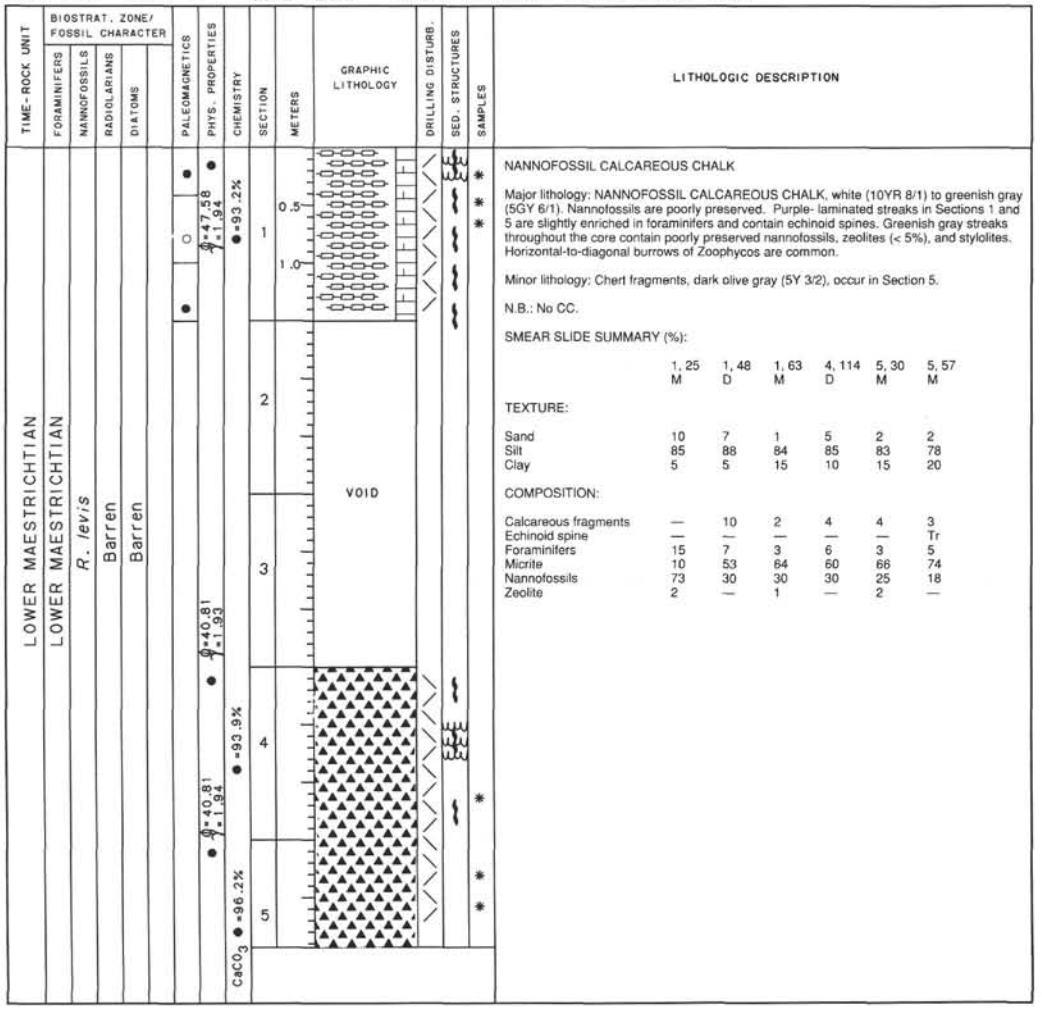
N.B.: No CC.

SMEAR SLIDE SUMMARY (%):

	1, 52 D	2, 56 D	3, 23 D
COMPOSITION:			
Calcareous fragments	—	—	10
Foraminifers	5	6	10
Nannofossils	90	90	80



SITE 750 HOLE A CORE 20R CORED INTERVAL 394.4-404.0 mbsf



LITHOLOGIC DESCRIPTION

NANNOFOSSIL CALCAREOUS CHALK

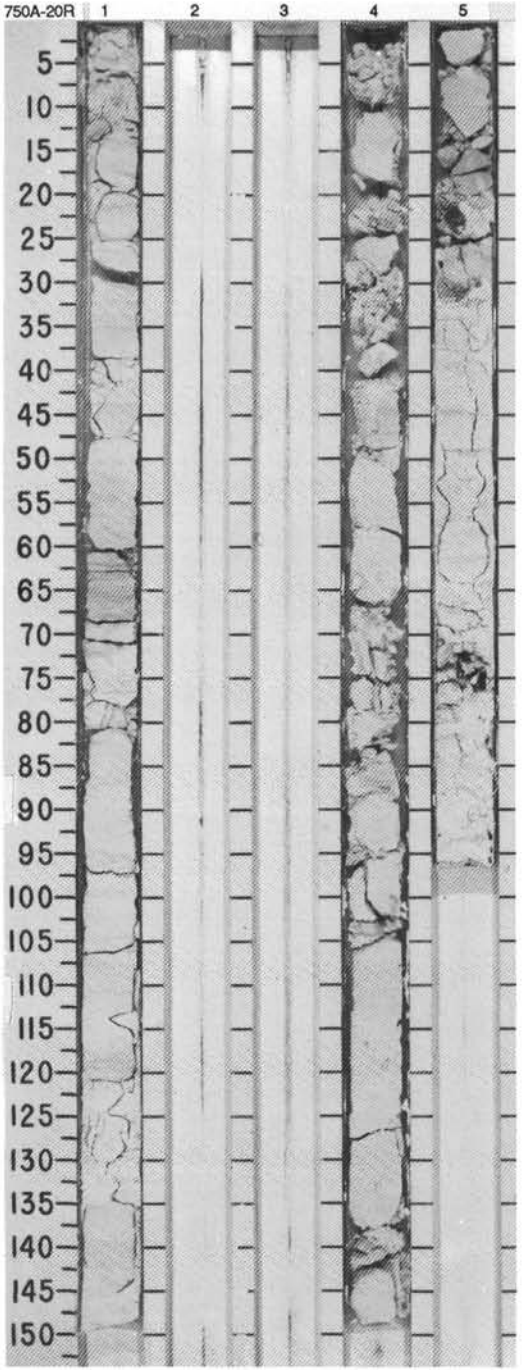
Major lithology: NANNOFOSSIL CALCAREOUS CHALK, white (10YR 8/1) to greenish gray (5GY 6/1). Nannofossils are poorly preserved. Purple- laminated streaks in Sections 1 and 5 are slightly enriched in foraminifers and contain echinoid spines. Greenish gray streaks throughout the core contain poorly preserved nannofossils, zeolites (< 5%), and stylolites. Horizontal-to-diagonal burrows of Zoophycos are common.

Minor lithology: Chert fragments, dark olive gray (5Y 3/2), occur in Section 5.

N.B.: No CC.

SMEAR SLIDE SUMMARY (%):

	1, 25 M	1, 48 D	1, 63 M	4, 114 D	5, 30 M	5, 57 M
TEXTURE:						
Sand	10	7	1	5	2	2
Silt	85	88	84	85	83	78
Clay	5	5	15	10	15	20
COMPOSITION:						
Calcareous fragments	—	10	2	4	4	3
Echinoid spine	—	—	—	—	—	Tr
Foraminifers	15	7	3	6	3	5
Micrite	10	53	64	60	66	74
Nannofossils	73	30	30	30	25	18
Zeolite	2	—	1	—	2	—



SITE 750 HOLE A CORE 21R CORED INTERVAL 404.0-413.6 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
LOWER MAESTRICHTIAN	LOWER MAESTRICHTIAN	upper *T. phacelosus* C/M		Barren		ρ=1.73 ● ρ=1.96	$CaCO_3$ ●=95.8%	1	0.5, 1.0				*	CALCAREOUS NANNOFOSSIL CHALK

Minor lithology: CALCAREOUS NANNOFOSSIL CHALK, white (10YR 8/1) to greenish gray (5GY 6/1). Purple streaks and laminae are enriched in foraminifers and pyrite. Greenish gray streaks and wisps have poorly preserved nannofossils and trace zeolites (<5%). Very thin horizontal and diagonal stylolites occur.

N.B.: No CC; split core liner.

SMEAR SLIDE SUMMARY (%):

	1, 77 D	1, 126 M
TEXTURE:		
Sand	4	2
Silt	81	88
Clay	15	10
COMPOSITION:		
Calcareous fragments	3	5
Foraminifers	10	5
Micrite	37	67
Nannofossils	50	20
Zeolite	—	3

SITE 750 HOLE A CORE 22R CORED INTERVAL 413.6-423.3 mbsf

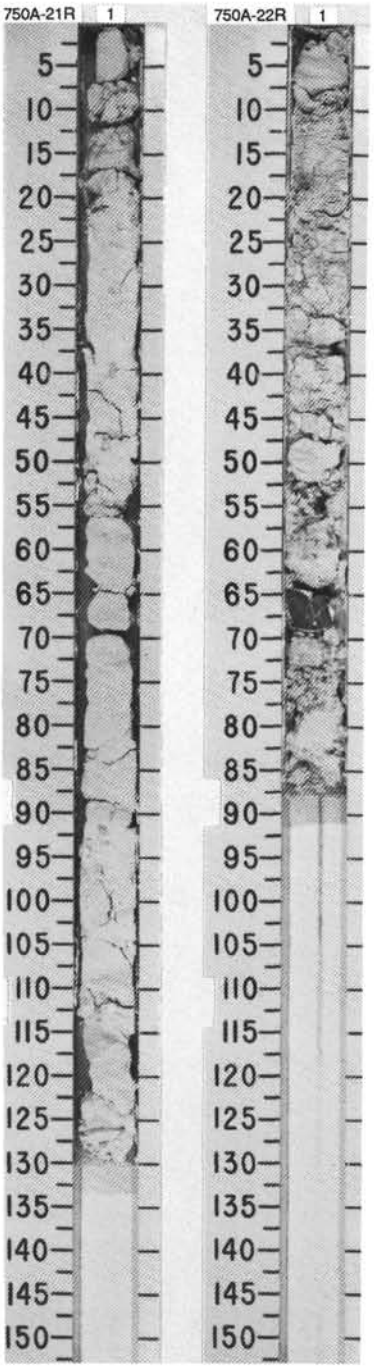
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
LOWER MAESTRICHTIAN	LOWER MAESTRICHTIAN	upper *T. phacelosus* C/M	CRETACEOUS	Barren			$CaCO_3$ +96.8% ●	1	0.5				*	CALCAREOUS CHALK WITH NANNOFOSSILS

Major lithology: CALCAREOUS CHALK with NANNOFOSSILS, white (10YR 8/1) to greenish gray (5GY 6/1), highly disturbed by drilling. Greenish gray splotch in Section 1, 18 cm, is enriched in zeolites and clay, and has better nannofossil preservation. A horizontal stylolite occurs in Section 1, 50 cm.

N.B.: No CC.

SMEAR SLIDE SUMMARY (%):

	1, 18 M	1, 48 D
TEXTURE:		
Sand	5	5
Silt	80	85
Clay	15	10
COMPOSITION:		
Calcareous fragments	—	2
Clay	5	—
Foraminifers	5	3
Micrite	60	80
Nannofossils	25	15
Zeolite	5	—



SITE 750 HOLE A CORE 23W CORED INTERVAL 423.3-442.6 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
LOWER MAESTRICHTIAN	LOWER MAESTRICHTIAN	upper *T. phacelosus*	C/G	Barren		ϕ=49.82 ● T=2.01	$CaCO_3$ = 87.93% ●	1					*

LITHOLOGIC DESCRIPTION

NANNOFOSSIL CALCAREOUS CHALK

Major lithology: NANNOFOSSIL CALCAREOUS CHALK, white (10YR 8/1) to greenish gray (5GY 6/1), recovered as three drilling biscuits, along with chert and porcellanite fragments.

N.B.: No CC.

SMEAR SLIDE SUMMARY (%):

	1, 5 D
TEXTURE:	
Sand	1
Silt	84
Clay	15
COMPOSITION:	
Foraminifers	1
Micrite	54
Nannofossils	45

SITE 750 HOLE A CORE 24R CORED INTERVAL 442.6-452.3 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
LOWER MAESTRICHTIAN	UPPER CAMPANIAN - LOWER MAESTRICHTIAN	upper *T. phacelosus*	A/G	no sample				1					*

LITHOLOGIC DESCRIPTION

NANNOFOSSIL CALCAREOUS CHALK

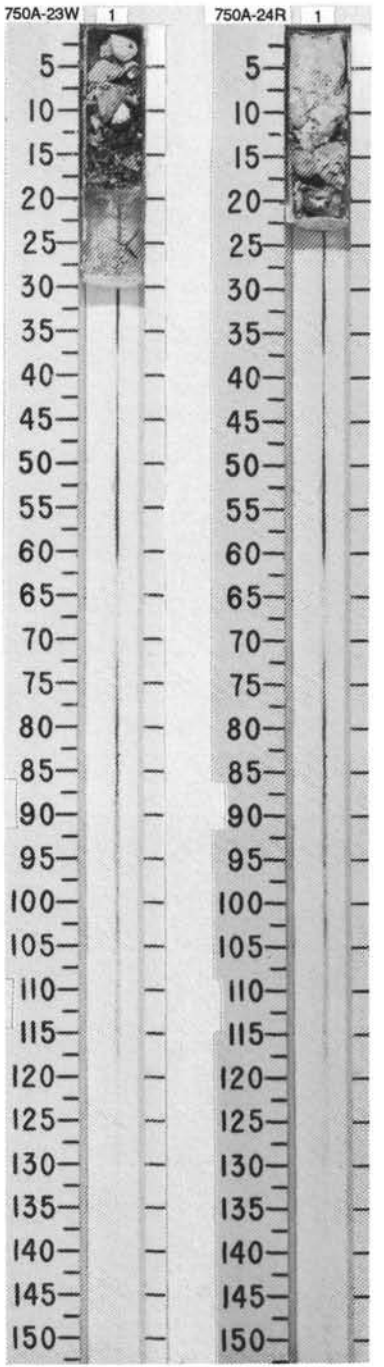
Major lithology: NANNOFOSSIL CALCAREOUS CHALK, white (10YR 8/1) to greenish gray (5GY 6/1), highly disturbed by drilling. Nannofossils are moderately preserved; slightly more foraminifers than in the overlying core. Contains traces of zeolite; a few darker gray streaks contain slightly more zeolite.

Minor lithology: Fragments of chert, dark olive gray (5Y 3/2), with porcellanitic rims occur; the porcellanite is similar in color and structure to the chalk.

N.B.: No CC.

SMEAR SLIDE SUMMARY (%):

	1, 14 D
TEXTURE:	
Sand	4
Silt	80
Clay	16
COMPOSITION:	
Foraminifers	5
Micrite	60
Nannofossils	35
Zeolite	Tr



SITE 750 HOLE A CORE 25R CORED INTERVAL 452.3-457.3 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
UPPER CAMPANIAN	UPPER CAMPANIAN-LOWER MAESTRICHTIAN	C/M	Barren	no sample		ρ=1.81		1					**

LITHOLOGIC DESCRIPTION

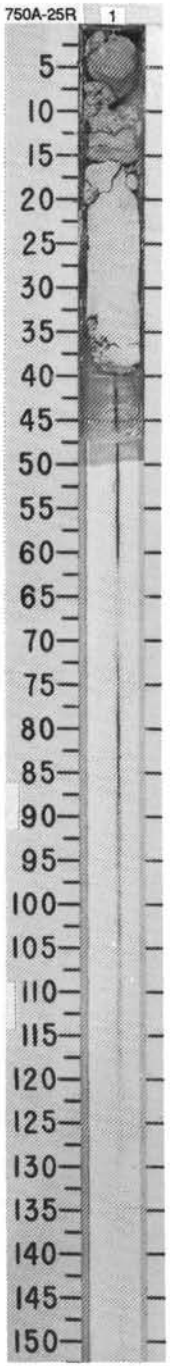
NANNOFOSSIL CALCAREOUS CHALK

Major lithology: NANNOFOSSIL CALCAREOUS CHALK, white (10YR 8/1) to greenish gray (5GY 6/1), highly disturbed by drilling. Darker-colored intervals have poorer nannofossil preservation.

N.B.: No CC.

SMEAR SLIDE SUMMARY (%):

	1, 13 M	1, 25 D
TEXTURE:		
Sand	5	5
Silt	80	80
Clay	15	15
COMPOSITION:		
Foraminifers	10	10
Micrite	65	50
Nannofossils	25	40
Opaques	—	Tr
Zeolite	—	Tr

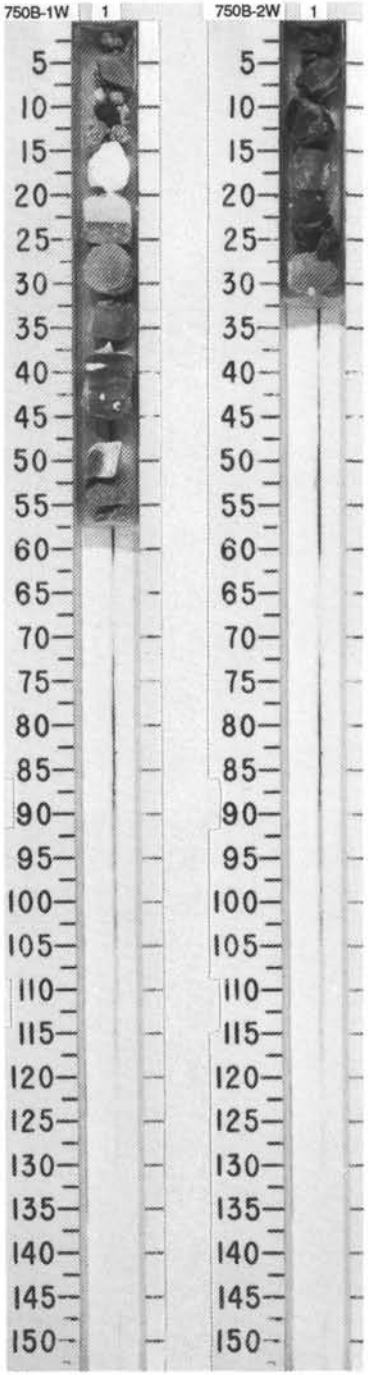


SITE 750 HOLE B CORE 1W CORED INTERVAL 0.0-299.0 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
LOWER EOCENE		LOWER EOCENE	no sample	no sample				1	0.5		X X X		*	DROPSTONES, CALCAREOUS CHALK, AND CHERT Major lithology: This wash core contains a drilling breccia of cobbles and fragments of manganese-coated DROPSTONES; white CALCAREOUS CHALK (10YR 8/1); medium gray (N6) vitreous CHERT with white chalk burrow fills; white (10YR 8/1) porcellanite with purple streaks. SMEAR SLIDE SUMMARY (%): 1, 40 M COMPOSITION: Calcareous fragments 5 Micrite 60 Nannofossils 20 Silcia 15

SITE 750 HOLE B CORE 2W CORED INTERVAL 299.0-450.0 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
UPPER MAESTRICHTIAN		C/P *N. frequens*		no sample				1			X			CHERT Major lithology: This wash core contains a drilling breccia of dark gray (2.5Y N4), olive brown (2.5Y 4/4), and light yellowish brown (2.5Y 6/2) CHERT fragments, 3-6 mm, with chalk-filled cavities, some with lightgray (5Y 7/1) porcellanite rims.



SITE 750 HOLE B CORE 3R CORED INTERVAL 450.0-459.6 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
LOWER MAESTRICHTIAN / UPPER CAMPANIAN - LOWER MAESTRICHTIAN	upper *T. phacelosus*	CRETACEOUS	no sample			ϕ = 32.25, γ = 2.05		1	0.5				* * *

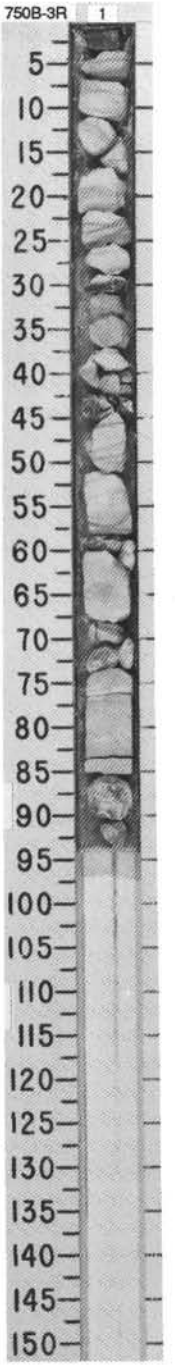
LITHOLOGIC DESCRIPTION

CALCAREOUS CHALK WITH NANNOFOSSILS AND LIMESTONE

Major lithologies:
a. CALCAREOUS CHALK with NANNOFOSSILS, greenish white (10Y 8/1), in Section 1, 0-60 cm; contains streaks and wisps with higher concentration of foraminifers (4%), pyrite, and clay. Some foraminifers are replaced by silica.
b. LIMESTONE, light greenish gray (5G 7/1), in Section 1, 60-94 cm. Zoophycos and other types of burrows occur throughout; also rare mollusc and echinoid fragments, and ovoid dark gray (N 4) chert nodules with gray (N6) interiors. 2 cm thick to several cm wide.

SMEAR SLIDE SUMMARY (%):

	1, 9 D	1, 25 M	1, 82 D
TEXTURE:			
Sand	3	3	1
Silt	82	82	75
Clay	15	15	24
COMPOSITION:			
Calcareous fragments	—	—	2
Foraminifers	Tr	4	1
Micrite	82	81	92
Nannofossils	18	15	5
Pyrite	Tr	Tr	—



SITE 750 HOLE B CORE 4W CORED INTERVAL 459.6-478.9 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
LOWER MAESTRICHTIAN	LOWER MAESTRICHTIAN	upper *T. phacelosus* C/G Zone		no sample		ϕ=41.02 ρ=2.13 ϕ=44.51 ρ=2.20 ϕ=21.52 ρ=2.46	$CaCO_3$ =65.8% $CaCO_3$ =39.1%	1 2 3 CC	0.5 1.0				*

LITHOLOGIC DESCRIPTION

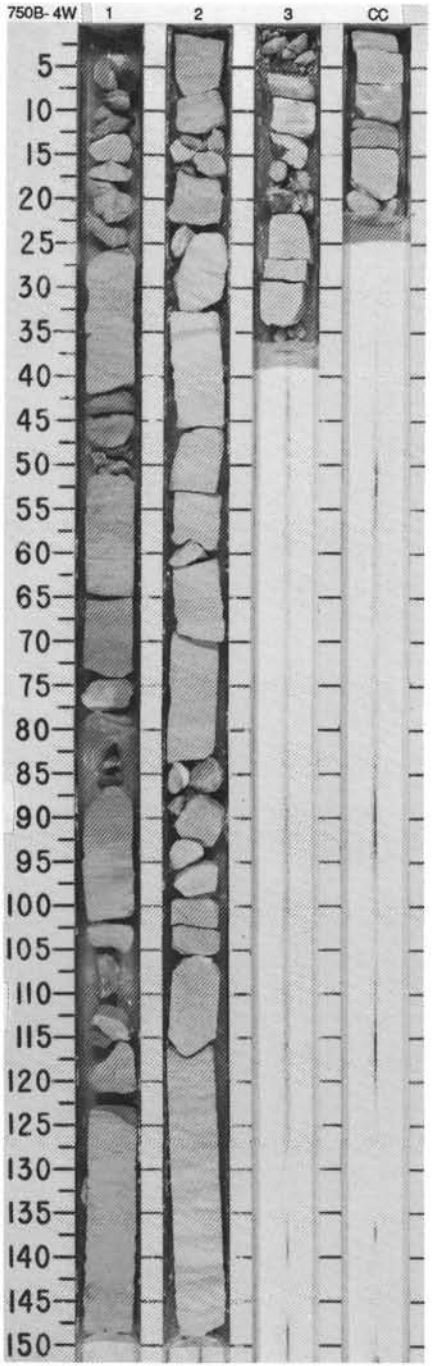
LIMESTONE AND LIMESTONE WITH NANNOFOSSILS

Major lithologies:
This wash contains pieces of
a. LIMESTONE, light greenish gray (5GY 7/1) with light gray (5Y 7/1) to dark olive gray (5Y 3/2) nodular chert; occurs as fragments in Section 1, 0-25 cm.
b. Partly silicified(?)/highly indurated LIMESTONE *with* NANNOFOSSILS, *light greenish gray* (5GY 7/1) to white (5Y 8/1). Gray laminae in Section 2, 33- 34 cm, contain a trace of glass and clay. Nodular chert fragments similar to those in the overlying limestone occur in Section 2, 10-20 cm 57-60 cm, and 91-99 cm; and in Section 3, 0-20 cm.

In Section 3, very hard limestone contains gray to dark olive gray blebs and small, irregular nodules of chert. Gray chert blebs occur in limestone in the CC.

SMEAR SLIDE SUMMARY (%):

	1, 51 D	2, 6 D	2, 35 M	2, 134 D
TEXTURE:				
Sand	1	8	2	2
Silt	84	74	85	83
Clay	15	18	13	15
COMPOSITION:				
Calcareous fragments	—	2	2	—
Foraminifers	1	5	1	2
Glass	—	—	Tr	—
Micrite	91	88	79	80
Nannofossils	8	5	18	18
Pyrite	—	Tr	Tr	—



SITE 750 HOLE B CORE 5R CORED INTERVAL 478.9-488.5 mbsf

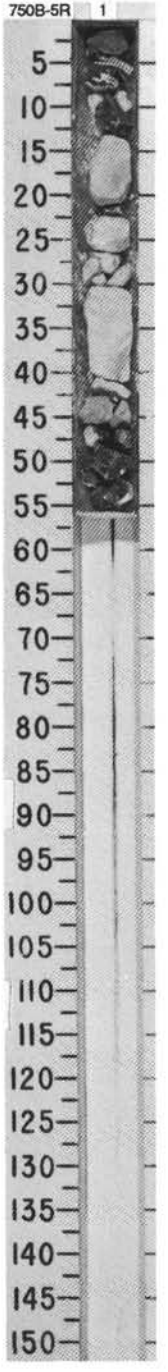
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
UPPER CAMPANIAN	CAMPANIAN	lower *T. phacelosus* Zone F/M	no sample			ϕ = 45.97 ● γ = 2.09	$CaCO_3$ = 91.0% ●	1	0.5		X X X	≀ ≀	*	CALCAREOUS CHALK WITH NANNOFOSSILS

Major lithology: CALCAREOUS CHALK with NANNOFOSSILS, light greenish gray (5GY 7/1); light gray burrows occur in Section 1, 12-20 cm and 25- 46 cm. Fragments of dark olive gray (5Y 3/2) chert with porcellanite occur in Section 1, 0-12 cm and 46-56 cm. Some chert fragments have agate- like rims, light gray banding (<1-3 mm), and chalk patinas. Nannofossil preservation poor to moderate.

Drilling disturbance: Drilling breccia throughout.

SMEAR SLIDE SUMMARY (%):

	1, 34 D
TEXTURE:	
Sand	1
Silt	85
Clay	14
COMPOSITION:	
Foraminifers	2
Micrite	78
Nannofossils	20



SITE 750 HOLE B CORE 6W CORED INTERVAL 488.5-507.9 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
UPPER CAMPANIAN / LOWER MAESTRICHTIAN	CAMPANIAN	lower *T. phacelosus*	CRETACEOUS	no sample		ρ=2.07 ρ=2.55	$CaCO_3$ = 89.0% = 16.8%	1	0.5 1.0				*
	upper *O. trifidum* C/M					ρ=2.07 ρ=2.05	$CaCO_3$ = 89.0%	2					*

LITHOLOGIC DESCRIPTION

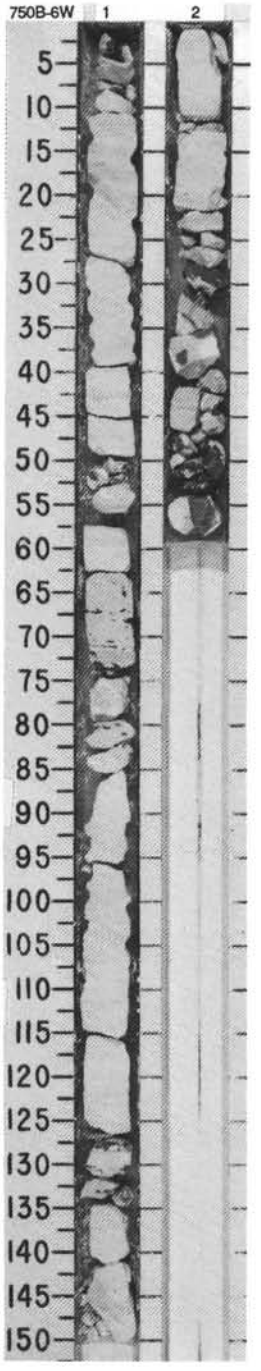
CALCAREOUS CHALK WITH NANNOFOSSILS AND CHERT

Major lithology: CALCAREOUS CHALK with NANNOFOSSILS and CHERT, white (5Y 8/2) to light greenish gray (5GY 7/1), slightly to moderately burrowed throughout. Chert and porcellanite fragments occur in Section 1, 0-10 cm and 50-57 cm, and Section 2, 28-30 cm and 47-60 cm. Medium gray (N6) chert nodules with brown or dark gray centers occur in Section 2, 32-39 cm.

Limestone in Section 1 is hard, with brown and gray irregular chert blebs (<1-8 mm thick); chert blebs are elongated parallel to bedding planes in Section 1, 57-86 cm. Rare silicified foraminifer tests occur; poorly to moderately preserved radiolarians occur in the acid insoluble fraction.

SMEAR SLIDE SUMMARY (%):

	1, 34 D	2, 20 D
TEXTURE:		
Sand	2	3
Silt	83	89
Clay	15	8
COMPOSITION:		
Calcareous fragments	—	2
Foraminifers	3	3
Micrite	85	67
Nannofossils	12	28



SITE 750 HOLE B CORE 7W CORED INTERVAL 507.9-527.3 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
UPPER CAMPANIAN	CAMPANIAN	A/G upper *Q. trifidum*	CRETACEOUS	no sample		● Φ = 46.18 ● ρ = 2.02 ● Φ = 28.74 ρ = 2.04	$CaCO_3$ ● = 90.4% ● = 41.2%	1	0.5 1.0				*
								2					*
								CC					

LITHOLOGIC DESCRIPTION

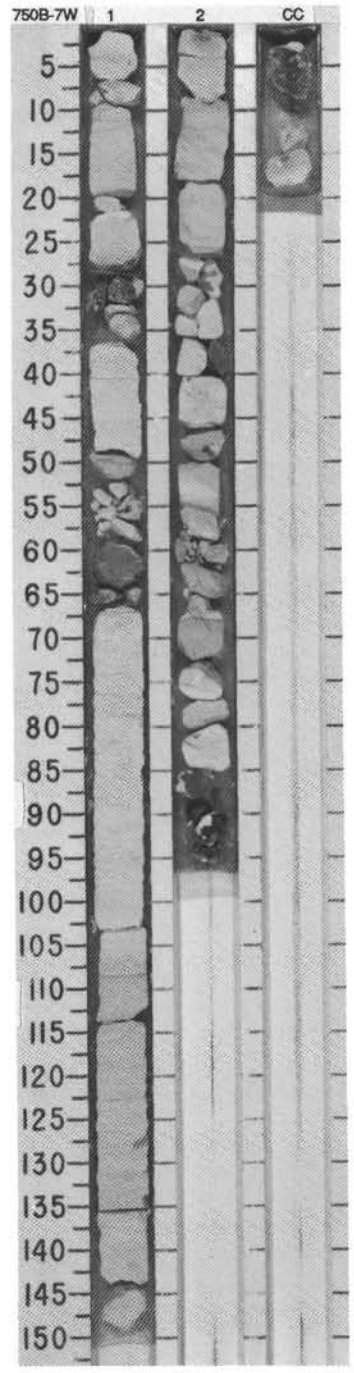
CALCAREOUS CHALK WITH NANNOFOSSILS AND LIMESTONE

Major lithologies: This wash has pieces of CALCAREOUS CHALK with NANNOFOSSILS interbedded with very hard LIMESTONE, white (5Y 8/1) to light greenish gray (5GY 7/1); burrowing slight to moderate throughout; gray (N6) mm-scale laminae in Section 1, 39-40 cm and 45-47 cm. Color gradually changes from gray (5Y 5/1) to light greenish gray (5GY 7/1) to gray (N6) from top to bottom of core.

Chert fragments occur in Section 1, 59-66 cm and 149-150 cm; Section 2, 81-97 cm, and CC, 0-6 cm. Mollusc debris common in Section 1, 32-59 cm; crinoid columnal in Section 2, 22 cm. Limestone contains chert blebs elongated parallel to bedding in Section 2, 0-3 cm and 40-48 cm.

SMEAR SLIDE SUMMARY (%):

	1, 40 M	1, 143 D
TEXTURE:		
Sand	3	1
Silt	72	80
Clay	25	19
COMPOSITION:		
Calcareous fragments	2	Tr
Clay	5	Tr
Foraminifers	3	2
Micrite	72	88
Nannofossils	13	10
Zeolite	Tr	—



SITE 750 HOLE B CORE 8W CORED INTERVAL 527.3-546.7 mbsf

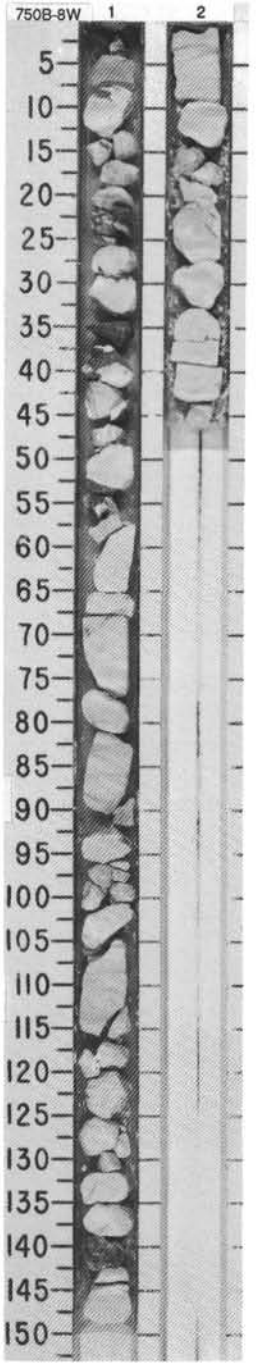
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
LOWER CAMPANIAN	CAMPANIAN	C/G *A. parcus* Zone	CRETACEOUS	no sample		ρ • 0.32 • 2.62	$CaCO_3$ • 89.6% • 46.5%	1	0.5				*	PARTLY SILICIFIED LIMESTONE AND CALCAREOUS CHALK
									1.0					
								2						

Major lithology: This wash has pieces of PARTLY SILICIFIED LIMESTONE and CALCAREOUS CHALK, light greenish gray (5GY 7/1) with gray (N6) chert blebs in limestone; also chert, dark olive gray (5Y 3/2) with chalk-filled cavities and gray rims.

Chalk intervals, in Section 1, 80-90 cm and 105-116 cm and in Section 2, 0-10 cm, contain common mollusc debris; rare inoceramid fragments.

SMEAR SLIDE SUMMARY (%):

	1, 84 D
TEXTURE:	
Sand	1
Silt	80
Clay	19
COMPOSITION:	
Clay	Tr
Foraminifers	1
Micrite	91
Nannofossils	8



SITE 750 HOLE B CORE 9W CORED INTERVAL 546.7-566.0 mbsf

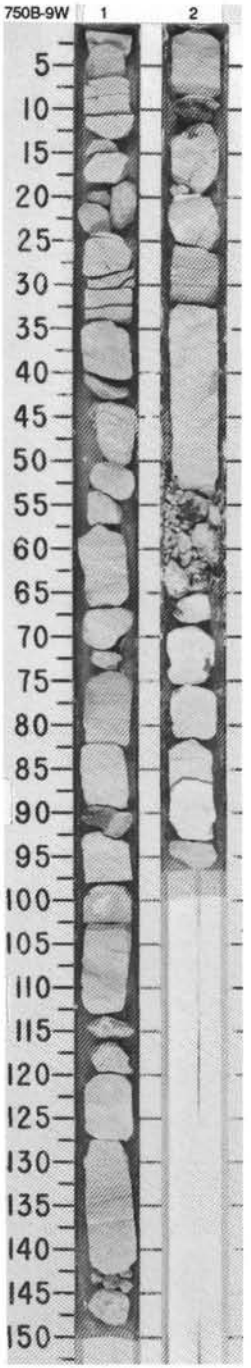
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
UPPER SANTONIAN	CAMPANIAN	C/G *C. obscurus* Zone		no sample		● ρ = 36.44 ● 2.18 ● ρ = 23.84 ● 2.22	● = 42.5% $CaCO_3$ ● = 44.6%	1	0.5 1.0				* *	CALCAREOUS CHALK AND LIMESTONE

Major lithology: This wash has pieces of CALCAREOUS CHALK and LIMESTONE, light greenish gray (5GY 7/1) to gray (N6); limestone occurs in Section 1, 0-45 cm, 90-103 cm, and 114-128 cm, and in Section 2, 9-25 cm and 66-97 cm. Bioturbation slight in Section 1, 28-150 cm, and moderate in Section 2, 0-50 cm. Mollusc debris rare to common in Section 1, 75-90 cm and 130-135 cm.

Minor lithology: Chert, gray (N6) to dark gray (2.5Y N5), occurs as fragments in Section 1, 50-60 cm; chert interbedded with limestone occurs in Section 1, 90-103 cm and 114-128 cm, and in Section 2, 9-25 cm.

SMEAR SLIDE SUMMARY (%):

	1, 62 D	1, 100 M
TEXTURE:		
Sand	1	—
Silt	79	—
Clay	20	—
COMPOSITION:		
Clay	Tr	—
Foraminifers	1	—
Micrite	94	—
Nannofossils	5	—
Unknown	—	100



SITE 750 HOLE B CORE 10W CORED INTERVAL 566.0-594.6 mbsf

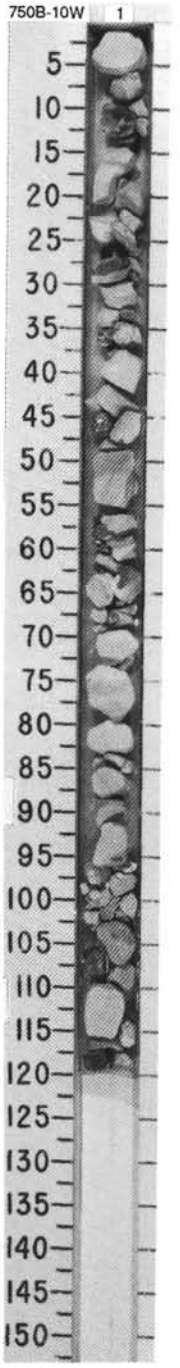
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
MIDDLE - UPPER SANTONIAN / LOWER CAMPANIAN	MIDDLE CAMPANIAN	C/G *R. anthopharus* Zone / *L. cayeuxa* Zone / *C. obscurus* Zone	UPPER (?) CRETACEOUS	no sample			$CaCO_3$=22.0% ● ●=90.5%	1	0.5 / 1.0				**	SILICIFIED CALCAREOUS CHALK TO LIMESTONE

Major lithology: This wash contains pieces of SILICIFIED CALCAREOUS CHALK to LIMESTONE, pale greenish gray (5Y 7/1); has faint burrows outlined by silica (Skolithos and Planolites common). Silt- to sand-size bioclastic components are common; also a few large mollusc shell fragments (silicified?). Dispersed marl seams possibly represent dissolution.

Minor lithology: Chert, dark gray (N6), vitreous, occurs as massive nodules with rims, haloes and patinas of concentric banded, olive gray to light gray silicified limestone.

SMEAR SLIDE SUMMARY (%):

	1, 45 D	1, 55 M
COMPOSITION:		
Calcareous fragments	25	—
Clay	5	95
Dolomite	1	—
Echinoid spine	Tr	—
Foraminifers	5	—
Micrite	60	—
Quartz	Tr	5
Unknown	—	Tr



SITE 750 HOLE B CORE 11W CORED INTERVAL 594.6-623.5 mbsf

TIME-ROCK UNIT: UPPPER TUVONIAN - LOWER SANTONIAN | MIDDLE SANTONIAN

BIOSTRAT. ZONE/FOSSIL CHARACTER:
- FORAMINIFERS: CENOMANIAN + LOWER TUROONIAN + ?SANTONIAN + ?CAMPANIAN
- NANNOFOSSILS: lower *M. furcatus* Zone / *L. malefarmis* Zone | *M. furcatus* Zone
- RADIOLARIANS: UPPER (?) CRETACEOUS
- DIATOMS: no sample

PALEOMAGNETICS

PHYS. PROPERTIES: Φ=32.62, ρ=2.07, Φ=37.59, ρ=86.1%

CHEMISTRY: $CaCO_3$ = 19.2%, = 86.1%

SECTION: 1, 2

METERS: 0.5, 1.0

GRAPHIC LITHOLOGY

DRILLING DISTURB.

SED. STRUCTURES

SAMPLES

LITHOLOGIC DESCRIPTION

CALCAREOUS CHALK TO LIMESTONE

Major lithology: This wash contains CALCAREOUS CHALK to LIMESTONE, greenish gray (5GY 6/1) to light greenish gray (5GY 7/1) with fucoid burrowing and flattened, cm-thick black burrowed clayey limestone interbeds. No grading, but various horizons are slightly grainy with abundant foraminifers and rare bioclastic debris, including bivalve fragments and inoceramid prisms.

Minor lithology: Chert, gray olive (5Y 6/1), occurs at the tops of beds with a sharp contact, or in irregular concretions with haloes.

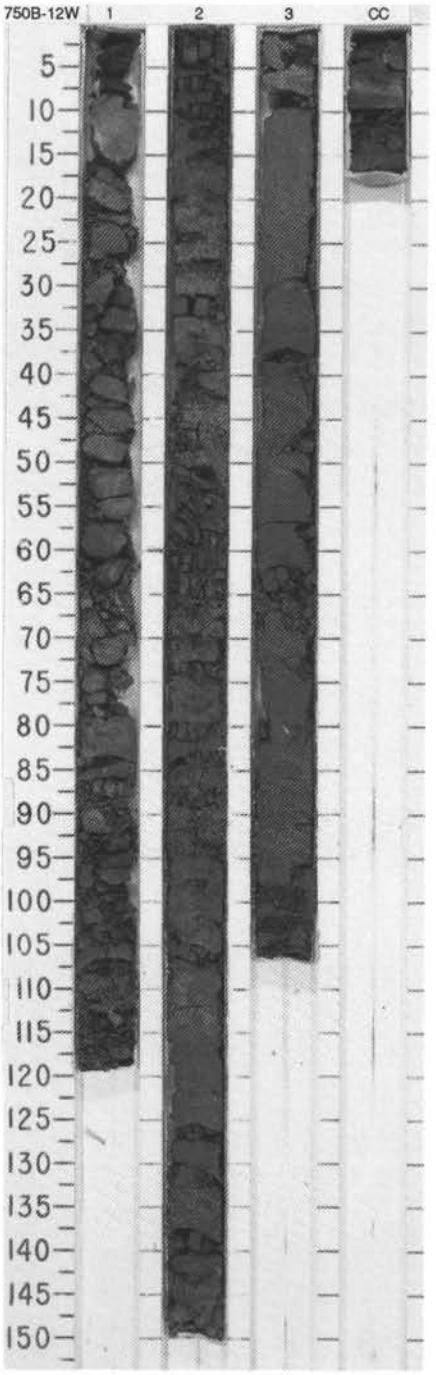
SMEAR SLIDE SUMMARY (%):

	1, 8 D	1, 36 D	1, 70 D	2, 29 D
COMPOSITION:				
Calcareous fragments	20	10	10	15
Clay	15	5	5	30
Dolomite	Tr	Tr	—	Tr
Echinoid spine	—	—	—	Tr
Foraminifers	—	5	—	—
Micrite	40	65	70	50
Nannofossils	1	10	10	2
Quartz	2	Tr	—	Tr
Silcia	20	Tr	—	—

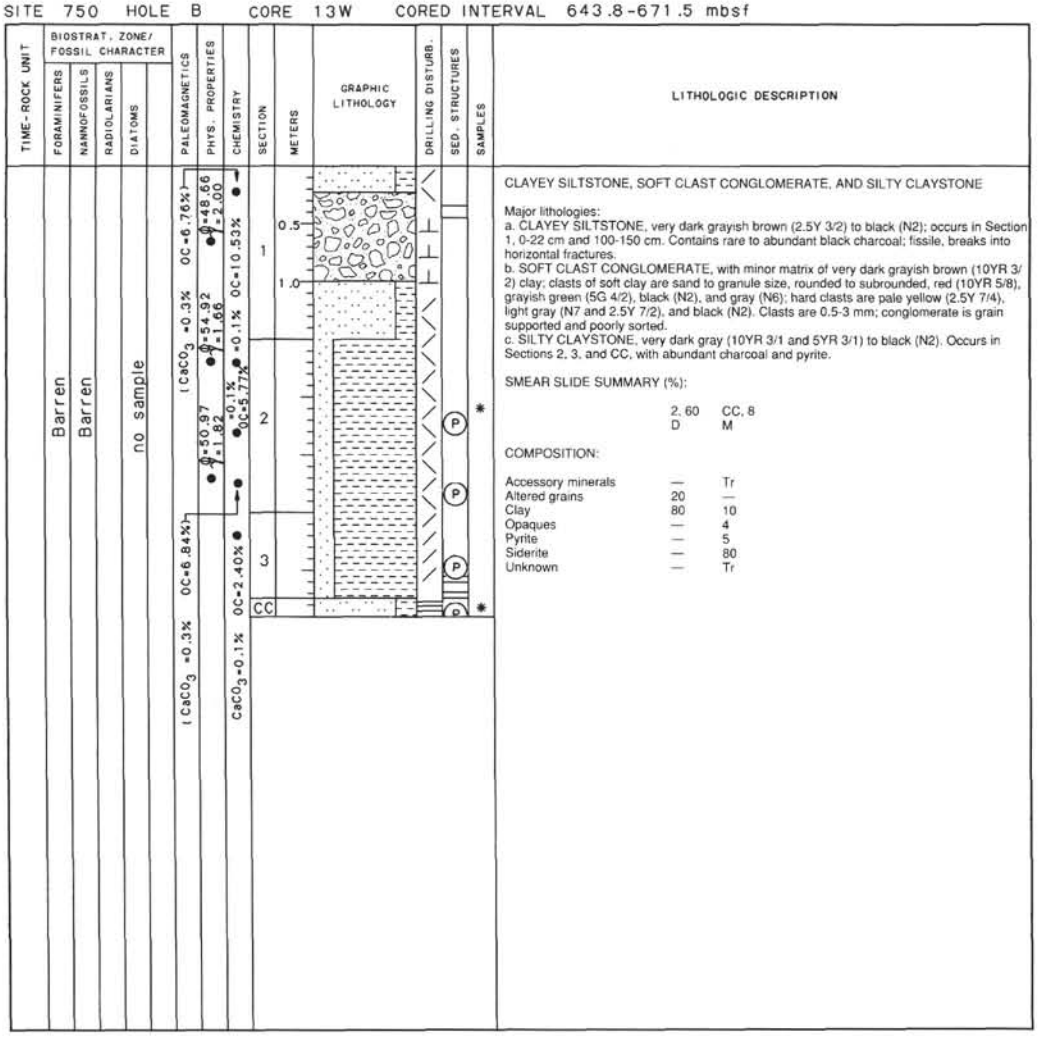
SITE 750 HOLE B CORE 12W CORED INTERVAL 623.5-643.8 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
Barren	Barren		no sample			ϕ=45.94 ρ=2.20	$CaCO_3$ ●2.8% OC=1.09%	1	0.5 1.0			⊙	*	CLAYEY SILTSTONE
						ϕ=50.34 ρ=2.06	●3.2%	2				⊙	OG IW	Major lithology: CLAYEY SILTSTONE, very dark grayish brown (10YR 3/2), pea green (10YR 6/8), dark reddish brown (5YR 3/3), gray (N5), black (N2), and very dark brown (10Y 2/2). Mottled, massive, with rare (Sections 1 and 2) to common (Sections 3 and CC) charcoal. Almost no horizontal fractures, but vertical to sub-vertical fractures resulting from a tendency to break into subangular, blocky ped-like structures. Larger gray mottles appear gleyed. Section 3 is massive; CC contains horizontal beds(?) 1-1.5 cm thick. Above these are sub-mm size clay clasts which are red, gray, and black. Abundant charcoal occurs at the top of the CC.
						ϕ=47.84 ρ=2.08	OC=0.68% ●7.5%	3				Φ Φ	*	SMEAR SLIDE SUMMARY (%):

	1, 63 M	3, 83 D
COMPOSITION:		
Altered grains	5	19
Clay	92	35
Opaques	—	15
Pyrite	3	6
Unknown	—	25



SITE 750 HOLE B CORE 13W CORED INTERVAL 643.8-671.5 mbsf



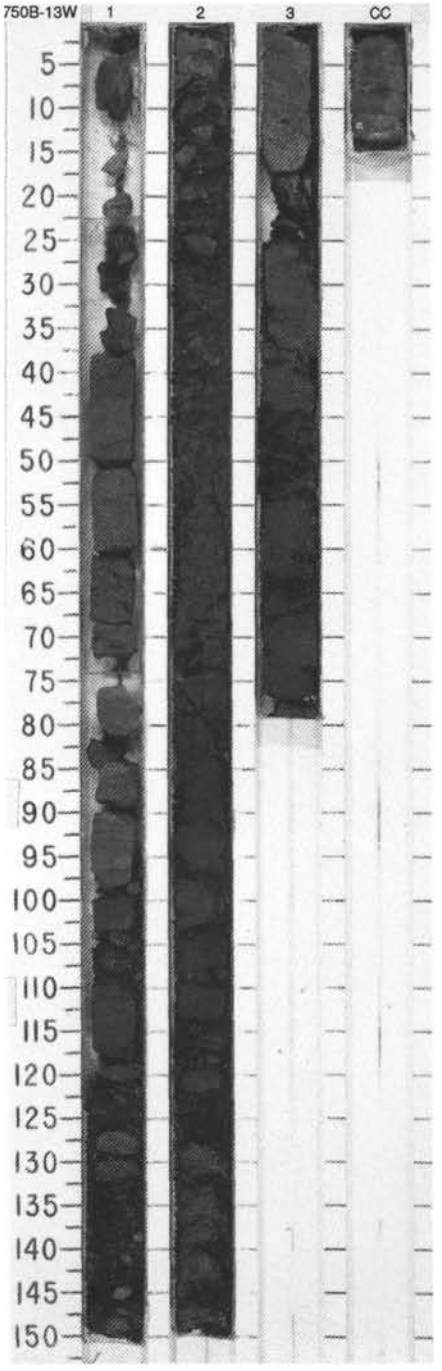
LITHOLOGIC DESCRIPTION

CLAYEY SILTSTONE, SOFT CLAST CONGLOMERATE, AND SILTY CLAYSTONE

Major lithologies:
a. CLAYEY SILTSTONE, very dark grayish brown (2.5Y 3/2) to black (N2); occurs in Section 1, 0-22 cm and 100-150 cm. Contains rare to abundant black charcoal; fissile, breaks into horizontal fractures.
b. SOFT CLAST CONGLOMERATE, with minor matrix of very dark grayish brown (10YR 3/2) clay; clasts of soft clay are sand to granule size, rounded to subrounded, red (10YR 5/8), grayish green (5G 4/2), black (N2), and gray (N6); hard clasts are pale yellow (2.5Y 7/4), light gray (N7 and 2.5Y 7/2), and black (N2). Clasts are 0.5-3 mm; conglomerate is grain supported and poorly sorted.
c. SILTY CLAYSTONE, very dark gray (10YR 3/1 and 5YR 3/1) to black (N2). Occurs in Sections 2, 3, and CC, with abundant charcoal and pyrite.

SMEAR SLIDE SUMMARY (%):

	2, 60 D	CC, 8 M
COMPOSITION:		
Accessory minerals	—	Tr
Altered grains	20	—
Clay	80	10
Opaques	—	4
Pyrite	—	5
Siderite	—	80
Unknown	—	Tr



SITE 750 HOLE B CORE 14R CORED INTERVAL 671.5-681.2 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS		PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
undetermined									1			/		*	FERRUGINOUS CLAYSTONE ABOVE BASALT CONTACT

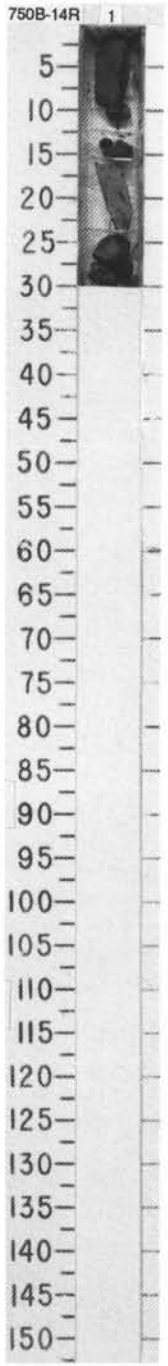
Major lithology: FERRUGINOUS CLAYSTONE, brown (7YR 4/6), partially cemented with siderite, streaked with dark gray; occurs in Section 1, Pieces 1 and 2.

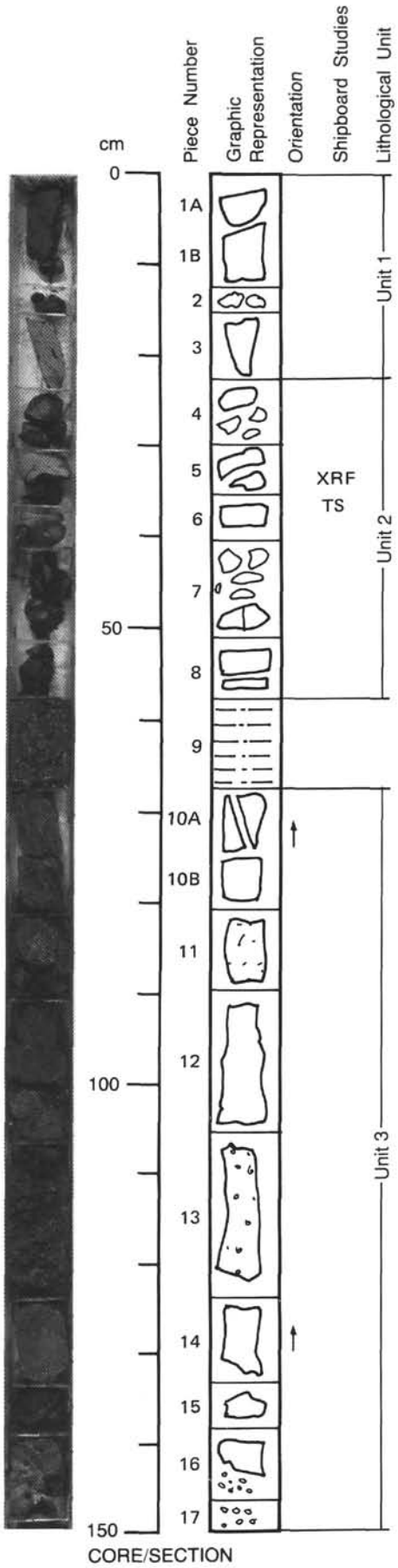
Minor lithology: Siderite nodule, reddish yellow (7YR 6/6), with cellular structures, most filled with black, pyritic wood fragments, cm size; occurs in Section 1, Piece 3.

Below 25 cm altered basalt, dark bluish green.

SMEAR SLIDE SUMMARY (%):

	1, 100 D	2, 51 D	4, 50 D
COMPOSITION:			
Calcispheres	5	2	2
Foraminifers	2	4	7
Hematite	—	—	Tr
Nannofossils	90	90	87





120-750B-14R-1

UNIT 1: SEDIMENTS

Pieces 1-3

CONTACTS: See comments.
PHENOCRYSTS: See comments.
GROUNDMASS: See comments.
VESICLES: See comments.
COLOR: See comments.
STRUCTURE: See comments.
ALTERATION: See comments.
VEINS/FRACTURES: See comments.
ADDITIONAL COMMENTS: Pieces 1 and 2: brown ferruginous claystone. Piece 3: nodular carbonate with wood, pyrite and volcanic fragments.

UNIT 2: MODERATELY PLAGIOCLASE PHYRIC BASALT

Pieces 4-8

CONTACTS: Not determined.
PHENOCRYSTS: Plagioclase - 3-4%, 2 mm.
GROUNDMASS: Fine-grained.
VESICLES: One amygdule in Piece 6 filled by calcite and clay minerals.
COLOR: Gray-green.
STRUCTURE: Not determined.
ALTERATION: Moderate to high.
VEINS/FRACTURES: None.

UNIT 3: HIGHLY ALTERED BASALT

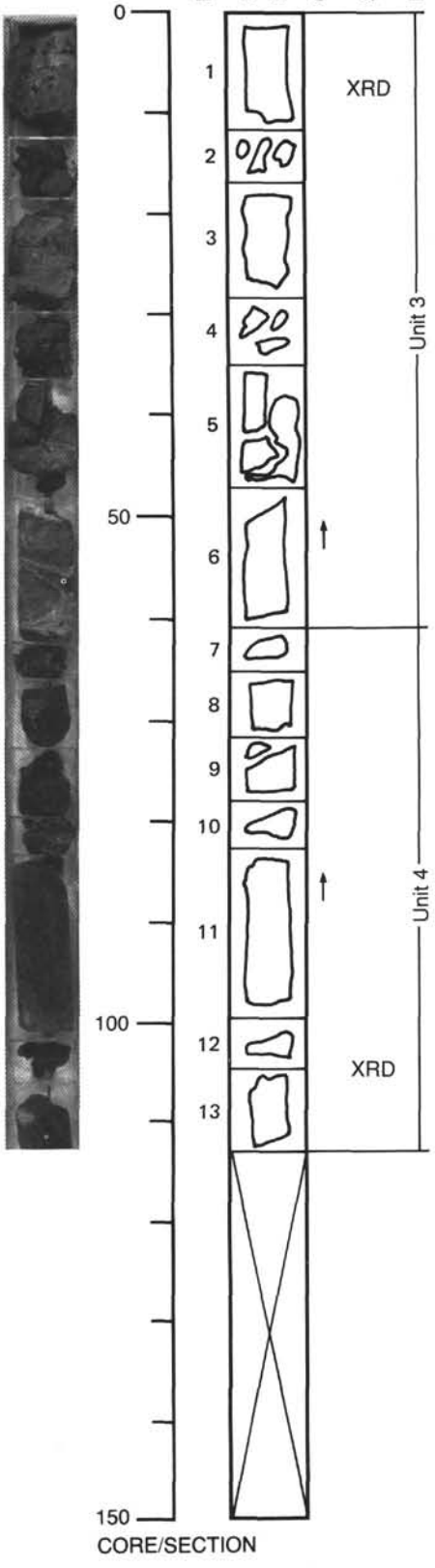
Piece 9

CONTACTS: Not determined.
PHENOCRYSTS: Not determined.
GROUNDMASS: Not determined.
VESICLES: Not determined.
COLOR: Not determined.
STRUCTURE: Not determined.
ALTERATION: Not determined.
VEINS/FRACTURES: Not determined.
ADDITIONAL COMMENTS: Created in part by drilling.

UNIT 3: CONTINUED

Pieces 10-17

CONTACTS: Not determined.
PHENOCRYSTS: None.
GROUNDMASS: Microcrystalline.
VESICLES: None.
COLOR: Gray green.
STRUCTURE: Not determined.
ALTERATION: Extremely altered, Pieces 11-13, 15, and 17: decomposed to a friable clay-rich aggregate.
VEINS/FRACTURES: None.



120-750B-14R-2

UNIT 3: CONTINUED

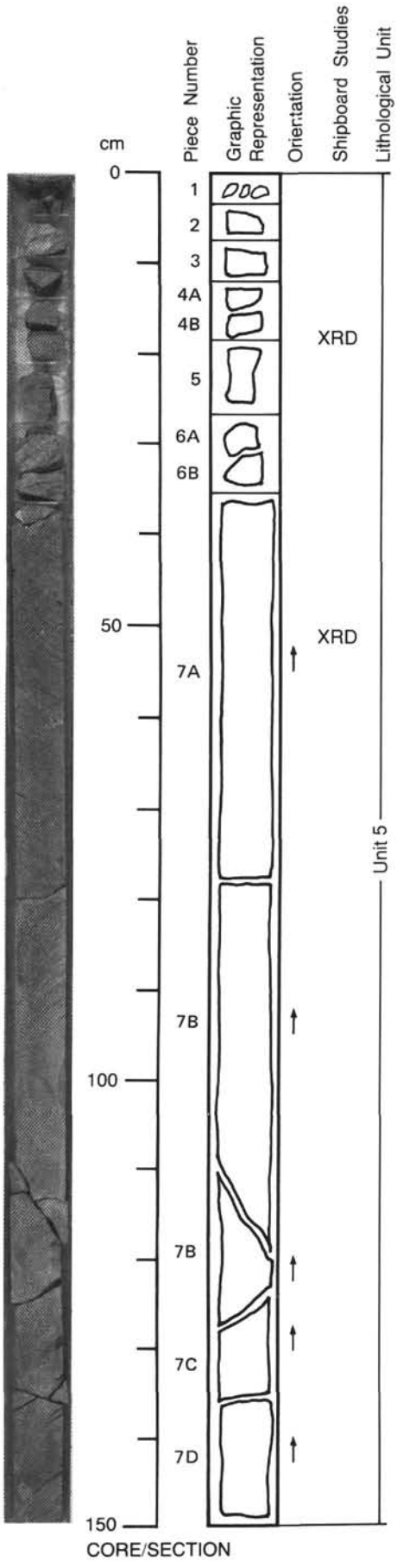
Pieces 1-6

CONTACTS: See comments.
PHENOCRYSTS: See comments.
GROUNDMASS: See comments.
VESICLES: See comments.
COLOR: See comments.
STRUCTURE: See comments.
ALTERATION: see comments
VEINS/FRACTURES: See comments.
ADDITIONAL COMMENTS: Decomposed friable clay-rich aggregate.

UNIT 4: SPARSELY PLAGIOCLASE PHYRIC BASALT

Pieces 7-13

CONTACTS: Not determined.
PHENOCRYSTS: Plagioclase - 3%, up to 2 mm.
GROUNDMASS: Fine-grained.
VESICLES: (?)%, 1-10 mm, irregular shape, filled with green clays.
COLOR: Gray.
STRUCTURE: Not determined.
ALTERATION: Moderate to high.
VEINS/FRACTURES: Pieces 6-9: highly veined, veins are subhorizontal and 1-4 mm wide, infilled with calcite.

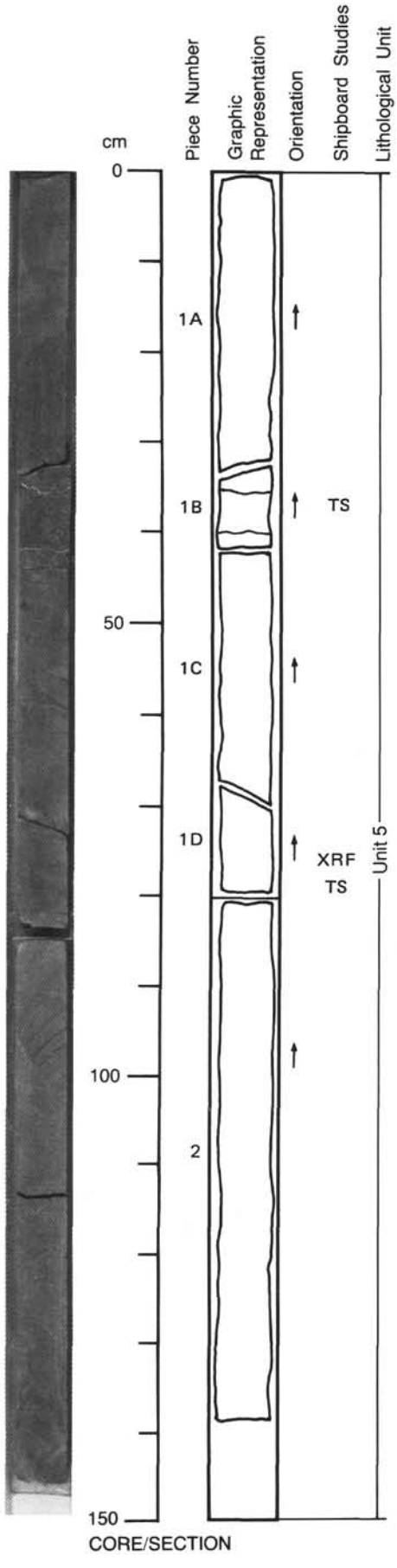


120-750B-15R-1

UNIT 5: MODERATELY PLAGIOCLASE-CLINOPYROXENE PHYRIC BASALT

Pieces 1-7

CONTACTS: Not determined.
PHENOCRYSTS:
Plagioclase - 5%, 0.5-1.5 mm, euhedral laths.
Clinopyroxene - 3%, 0.5-2 mm.
GROUNDMASS: Fine-grained.
VESICLES: (?)%, 1-1.5 mm, irregular shape, irregular distribution, filled with smectite (swelling), calcite and zeolites. Pieces 1-5: vesicles infilled with orange mineral.
COLOR: Gray.
STRUCTURE: Not determined.
ALTERATION: Moderate.
VEINS/FRACTURES: Rare.

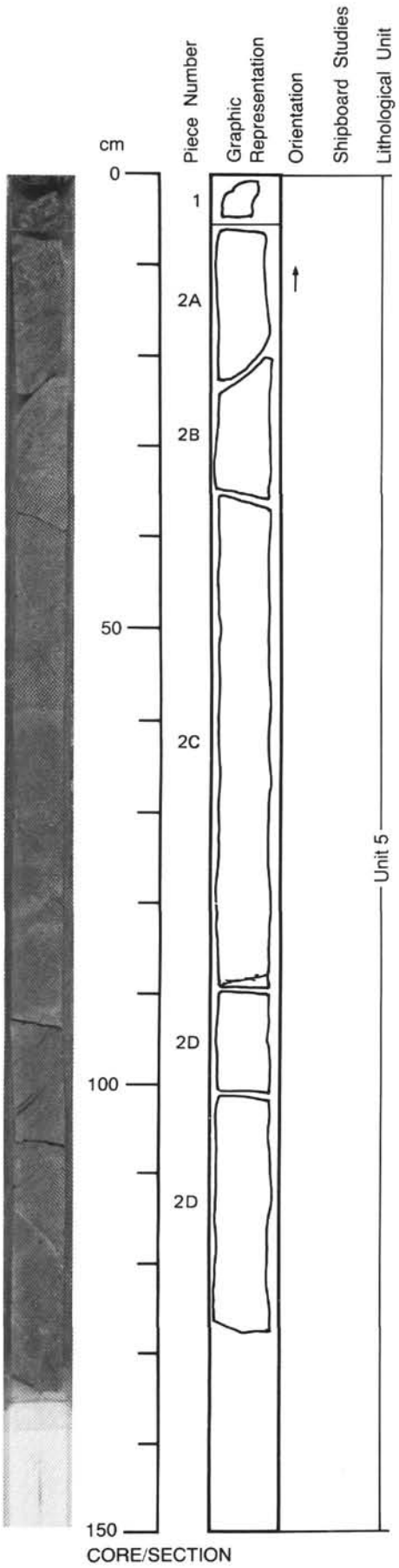


120-750B-15R-2

UNIT 5: CONTINUED

Pieces 1-2

CONTACTS: Not determined.
PHENOCRYSTS:
Plagioclase - 5%, 0.5-1.5 mm, euhedral laths.
Clinopyroxene - 3%, 0.5-2 mm.
GROUNDMASS: Fine-grained.
VESICLES: None.
COLOR: Gray.
STRUCTURE: Not determined.
ALTERATION: Pieces 1A and 1B: highly altered with smectite and Fe-hydroxide.
VEINS/FRACTURES: Pieces 1A and 1B: some 1-5 mm thick subhorizontal calcite veins.

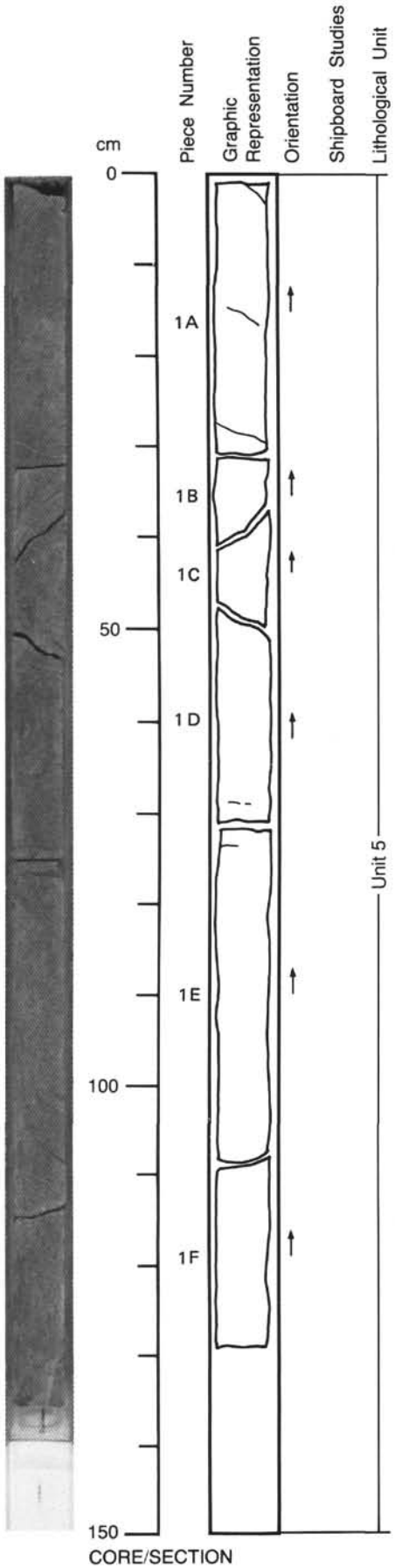


120-750B-15R-3

UNIT 5: CONTINUED

Pieces 1-2

CONTACTS: Not determined.
PHENOCRYSTS:
Plagioclase - 5%, 0.5-1.5 mm, euhedral laths.
Clinopyroxene - 3%, 0.5-2 mm.
GROUNDMASS: Fine-grained.
VESICLES: 2-3%, 1-3 mm, subround, infilled with swelling, green clay mineral. Piece 2D: vesicles infilled with orange-brown mineral.
COLOR: Gray.
STRUCTURE: Not determined.
ALTERATION: Moderate.
VEINS/FRACTURES: None.

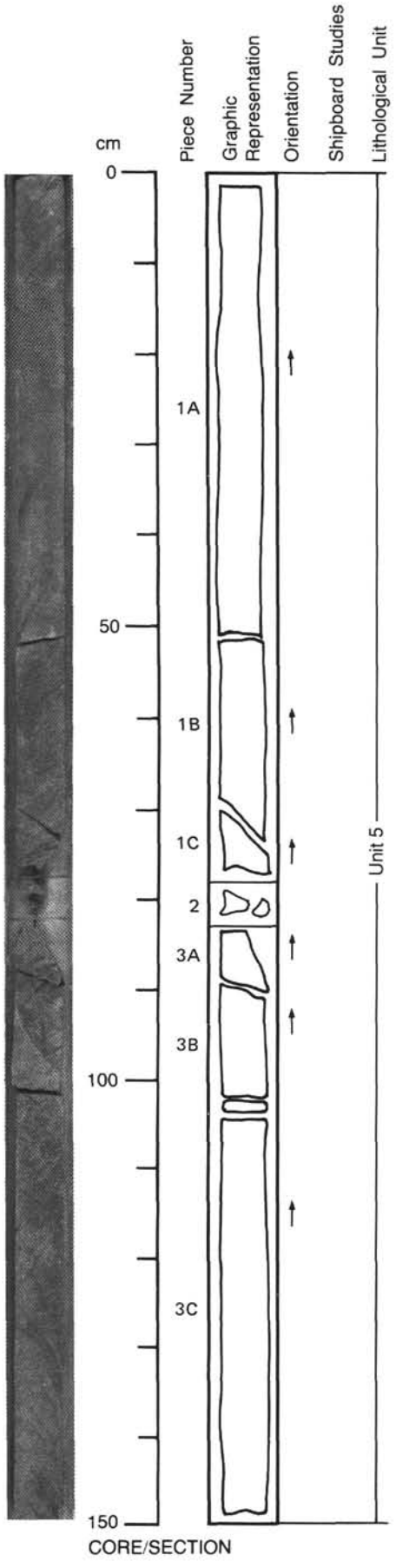


120-750B-15R-4

UNIT 5: CONTINUED

Pieces 1A-1F

CONTACTS: Not determined.
PHENOCRYSTS:
Plagioclase - 5%, 0.5-1.5 mm, euhedral laths.
Clinopyroxene - 3%, 0.5-2 mm.
GROUNDMASS: Fine-grained.
VESICLES: 2-3%, 1-3 mm, subround, infilled with swelling, green clay mineral.
COLOR: Gray.
STRUCTURE: Not determined.
ALTERATION: Moderate.
VEINS/FRACTURES: Piece 1A: 0.5-2 mm, calcite vein. Piece 1D: 1 mm vein of Fe-hydroxide.

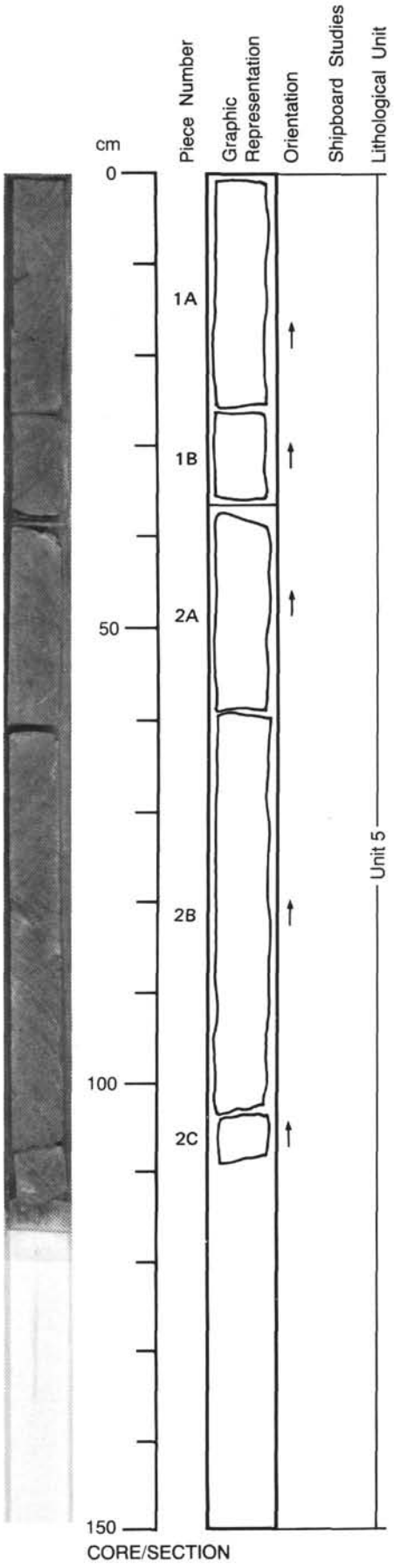


120-750B-15R-5

UNIT 5: CONTINUED

Pieces 1-3

CONTACTS: Not determined.
PHENOCRYSTS:
Plagioclase - 5%, 0.5-1.5 mm, euhedral laths.
Clinopyroxene - 3%, 0.5-2 mm.
GROUNDMASS: Fine-grained.
VESICLES: 2-3%, 1-3 mm, subround, infilled with swelling, green clay
COLOR: Gray.
STRUCTURE: Not determined.
ALTERATION: Moderate.
VEINS/FRACTURES: Absent.

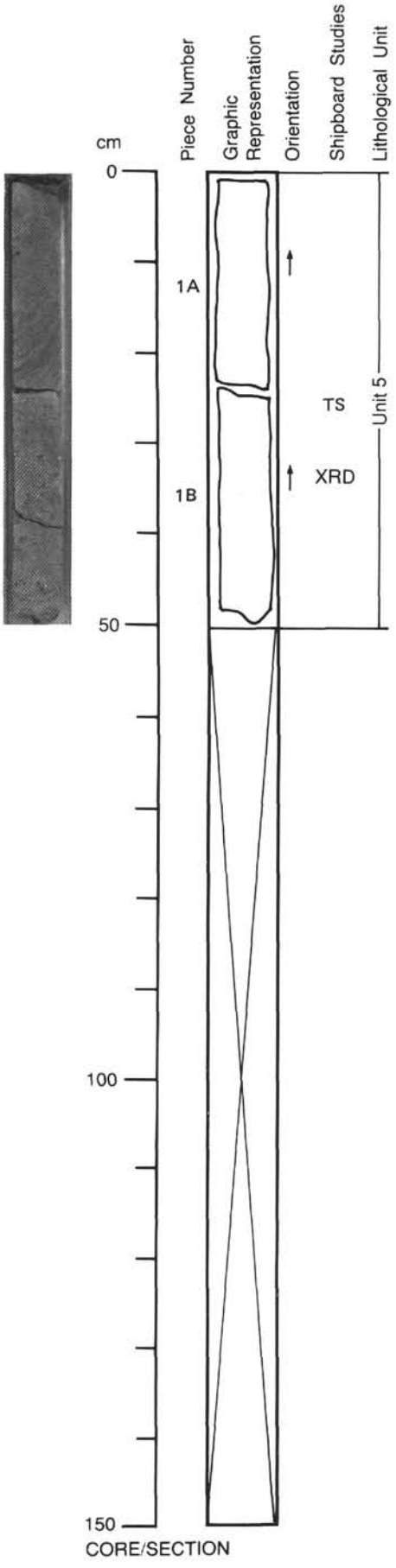


120-750B-15R-6

UNIT 5: CONTINUED

Pieces 1-2

CONTACTS: Not determined.
PHENOCRYSTS:
Plagioclase - 5%, 0.5-1.5 mm, euhedral laths.
Clinopyroxene - 3%, 0.5-2 mm.
GROUNDMASS: Fine-grained.
VESICLES: 2-3%, 1-3 mm, subround, infilled with swelling, green clay mineral.
COLOR: Gray.
STRUCTURE: Not determined.
ALTERATION: Moderate.
VEINS/FRACTURES: Absent.

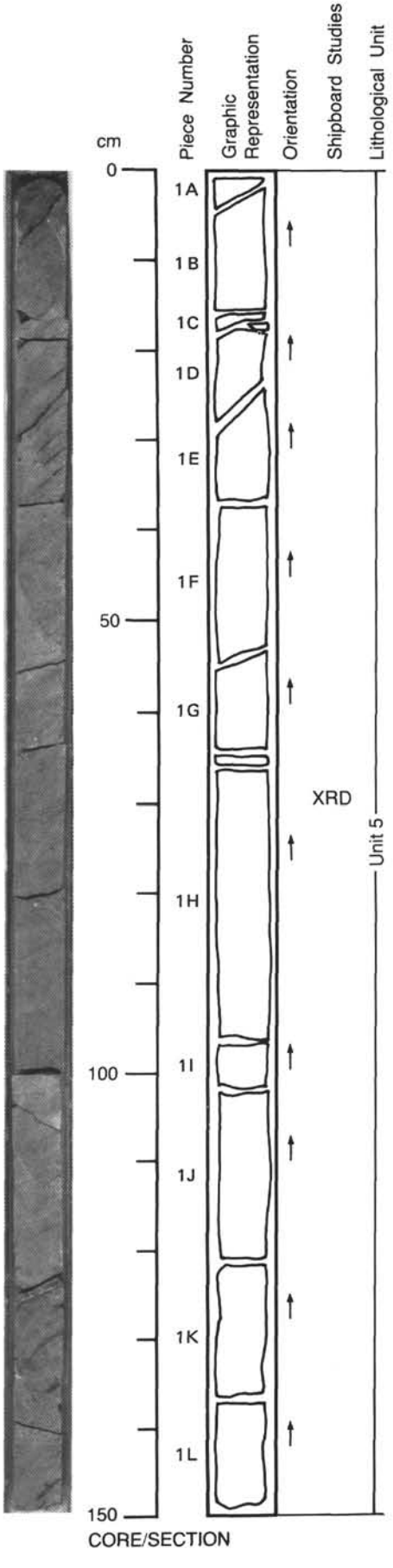


120-750B-15R-7

UNIT 5: CONTINUED

Pieces 1A-1B

CONTACTS: Not determined.
PHENOCRYSTS:
Plagioclase - 5%, 0.5-1.5 mm, euhedral laths.
Clinopyroxene - 3%, 0.5-2 mm.
GROUNDMASS: Fine-grained.
VESICLES: 2-3%, 1-3 mm, subround, infilled with swelling, green clay mineral.
COLOR: Gray.
STRUCTURE: Not determined.
ALTERATION: Moderate.
VEINS/FRACTURES: Piece 1A: 1-2 mm subhorizontal calcite veins.

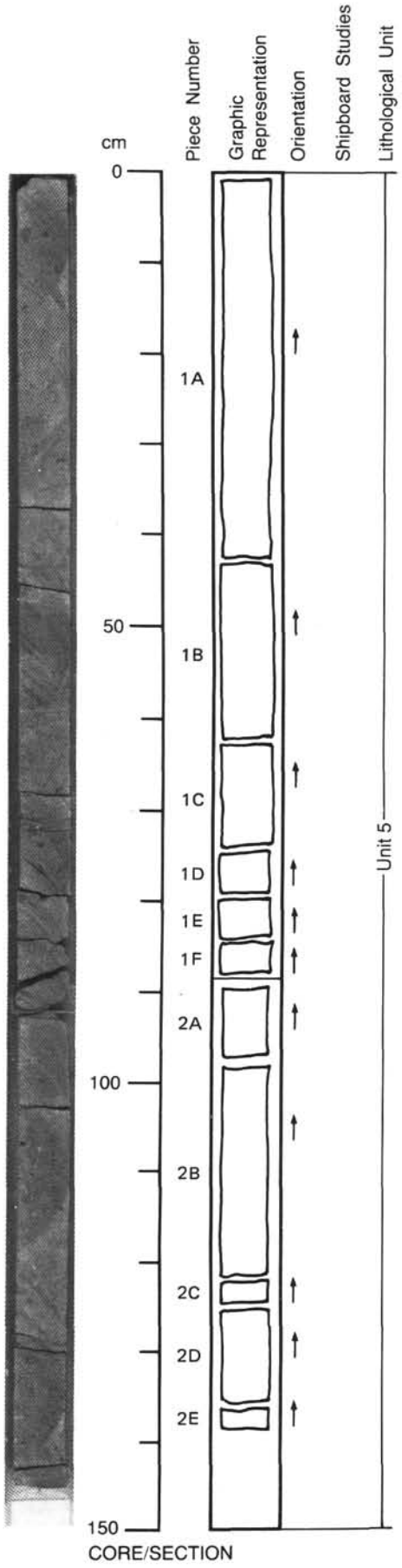


120-750B-16R-1

UNIT 5: CONTINUED

Pieces 1-2

CONTACTS: Not determined.
PHENOCRYSTS:
Plagioclase - 7%, 1-2 mm, euhedral laths.
Clinopyroxene - 5%, 0.5-1.5 mm, subhedral occurring in glomerocrysts aggregates.
GROUNDMASS: Fine-grained to microcrystalline (in alternating layers of a few cm).
VESICLES: (?)%, 1-10 mm, subround, filled with green clay mineral and occasional zeolites.
COLOR: Gray.
STRUCTURE: Not determined.
ALTERATION: Slight-moderate.
VEINS/FRACTURES: Piece 1K: 1 cm vein of green clay and zeolites.

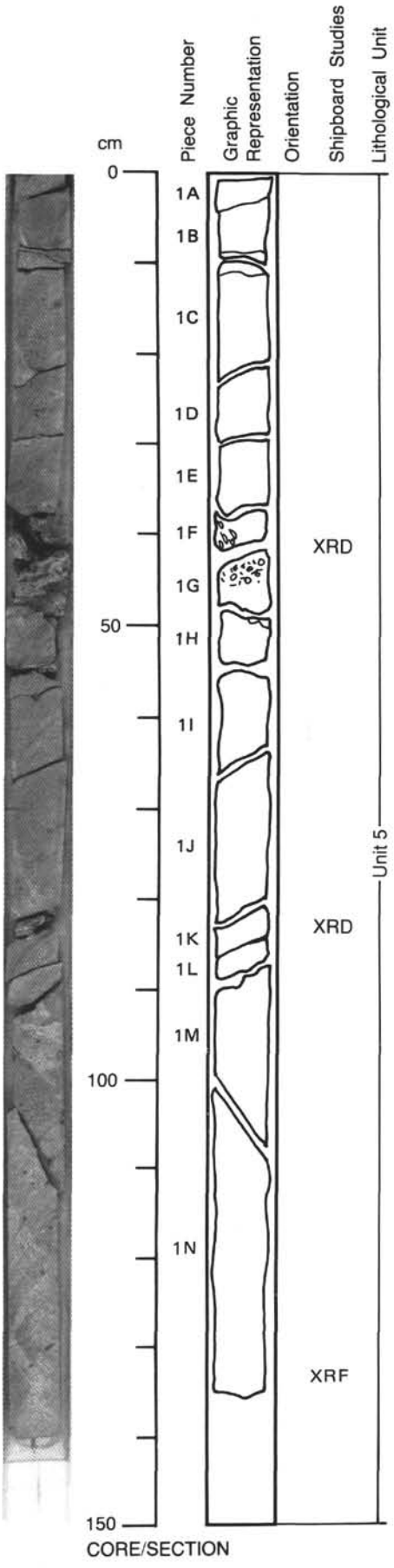


120-750B-16R-2

UNIT 5: CONTINUED

Pieces 1-2

CONTACTS: Not determined.
PHENOCRYSTS:
Plagioclase - 7%, 1-2 mm, euhedral laths.
Clinopyroxene - 5%, 0.5-1.5 mm, subhedral.
GROUNDMASS: Fine-grained to microcrystalline.
VESICLES: < 1%, 1-10 mm, subround, irregular, infilled with green clay mineral and quartz.
COLOR: Gray.
STRUCTURE: Not determined.
ALTERATION: Slight-moderate.
VEINS/FRACTURES: Absent.

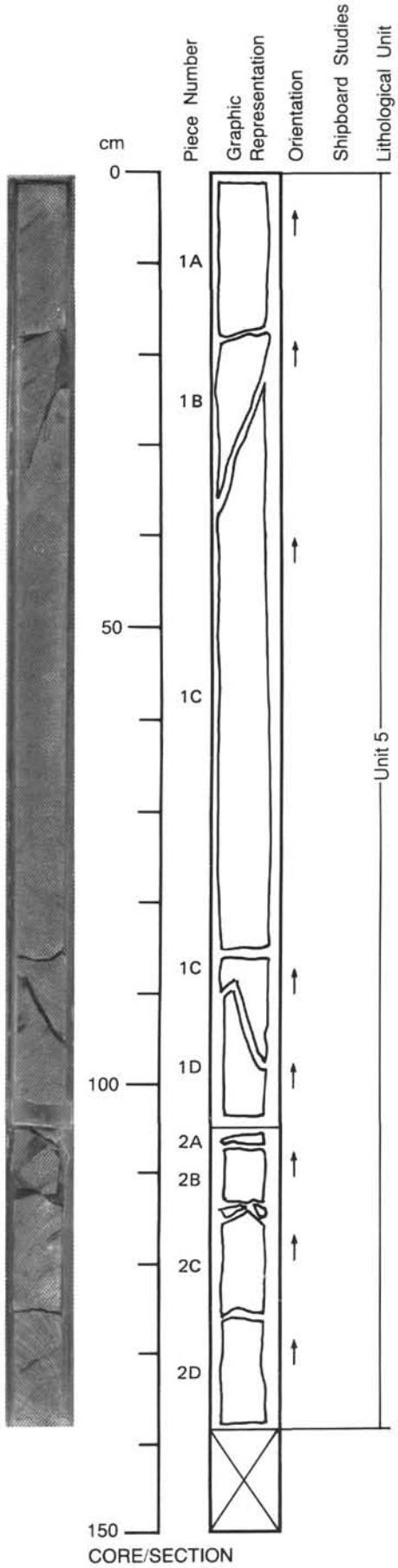


120-750B-16R-3

UNIT 5: CONTINUED

Pieces 1A-1N

CONTACTS: Not determined.
PHENOCRYSTS:
Plagioclase - 7%, up to 1.5 mm, euhedral laths.
Clinopyroxene - 5%, 0.5-1.5 mm.
GROUNDMASS: Fine-grained.
VESICLES: (?)%, 1-6 mm, infilled with green clay mineral.
COLOR: Gray.
STRUCTURE: Not determined.
ALTERATION: Slight to high.
VEINS/FRACTURES: Pieces 1F and 1G: highly altered with < 5 mm irregular veins of green clay and quartz in microcrystalline matrix (chilled margin ?). Pieces 1H and 1K: occasional veins < 5 mm of green clay with some calcite and quartz.

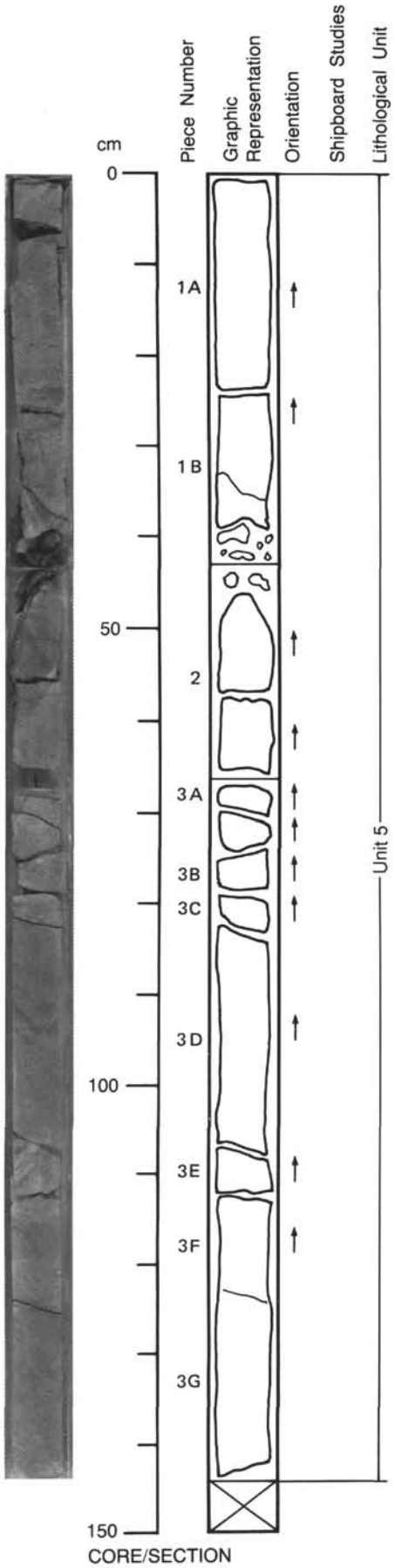


120-750B-16R-4

UNIT 5: CONTINUED

Pieces 1-2

CONTACTS: Not determined.
PHENOCRYSTS: A few cm thick phenocryst-rich, irregular coarser patches (flow segregation?).
Plagioclase - 7%, up to 1.5 mm, euhedral laths.
Clinopyroxene - 5%, 0.5-1.5 mm.
GROUNDMASS: Fine-grained.
VESICLES: (?)%, 1-6 mm, infilled with green clay mineral.
COLOR: Gray.
STRUCTURE: Not determined.
ALTERATION: Slight to high.
VEINS/FRACTURES: Absent.

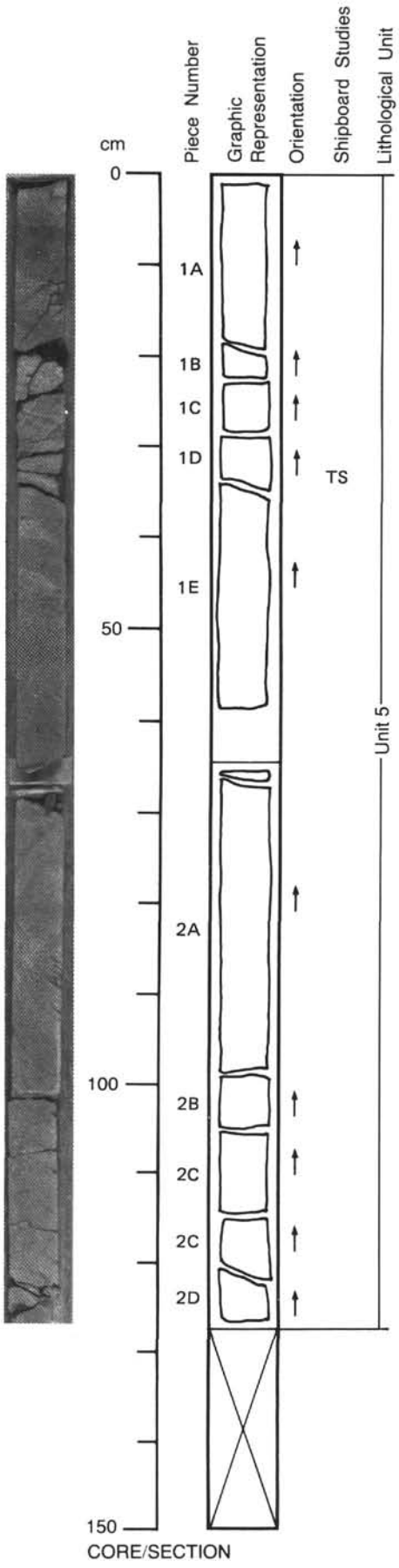


120-750B-16R-5

UNIT 5: CONTINUED

Pieces 1-3

CONTACTS: Not determined.
PHENOCRYSTS:
Plagioclase - 7%, 1-2 mm, euhedral.
Clinopyroxene - 5%, 0.5-1.5 mm.
GROUNDMASS: Fine-grained to microcrystalline.
VESICLES: (?)%, 1-2 mm, vesicles found in Pieces 1 and 2. Vesicles infilled with green clay.
COLOR: Gray.
STRUCTURE: Not determined.
ALTERATION: Slight.
VEINS/FRACTURES: A few subhorizontal fractures.
ADDITIONAL COMMENTS: Alternating irregular fine-grained/microcrystalline and phenocryst-rich, coarser bands up to a few cm thick.

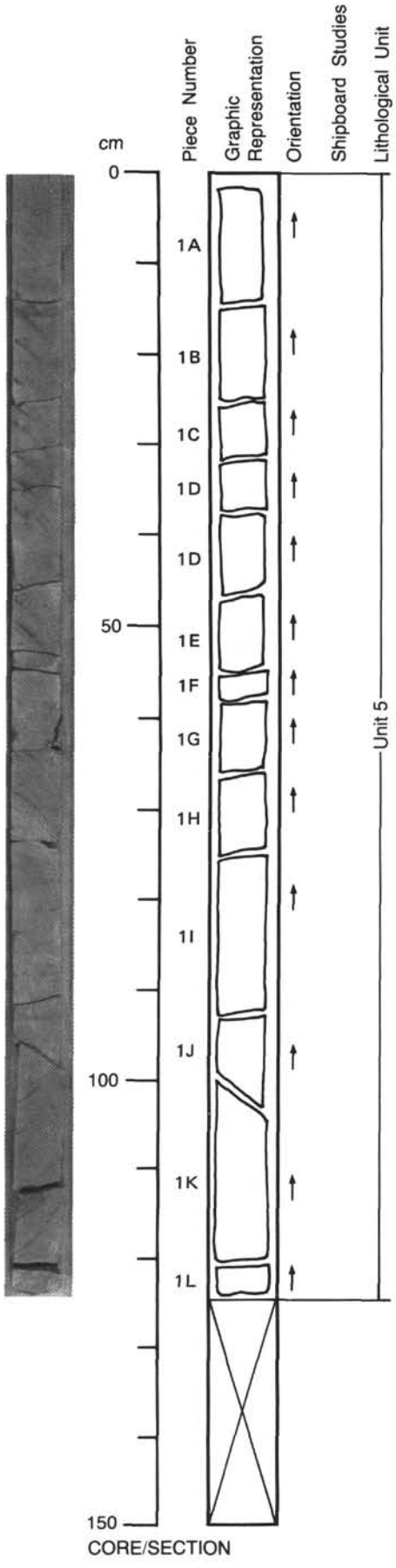


120-750B-16R-6

UNIT 5: CONTINUED

Pieces 1-2

CONTACTS: Not determined.
PHENOCRYSTS:
Plagioclase - 7%, 1-2 mm, euhedral.
Clinopyroxene - 5%, 0.5-1.5 mm.
GROUNDMASS: Fine-grained to microcrystalline.
VESICLES: 1-2%, < 1 mm, irregular shaped, infilled with green clay.
COLOR: Gray.
STRUCTURE: Not determined.
ALTERATION: Slight.
VEINS/FRACTURES: A few subhorizontal fractures.
ADDITIONAL COMMENTS: Alternating irregular fine-grained/microcrystalline and phenocryst-rich, coarser bands up to a few cm thick. Piece 1: alternating fine-grained and phenocryst-rich medium-grained bands up to 6 cm thick. Piece 2: mainly fine-grained.

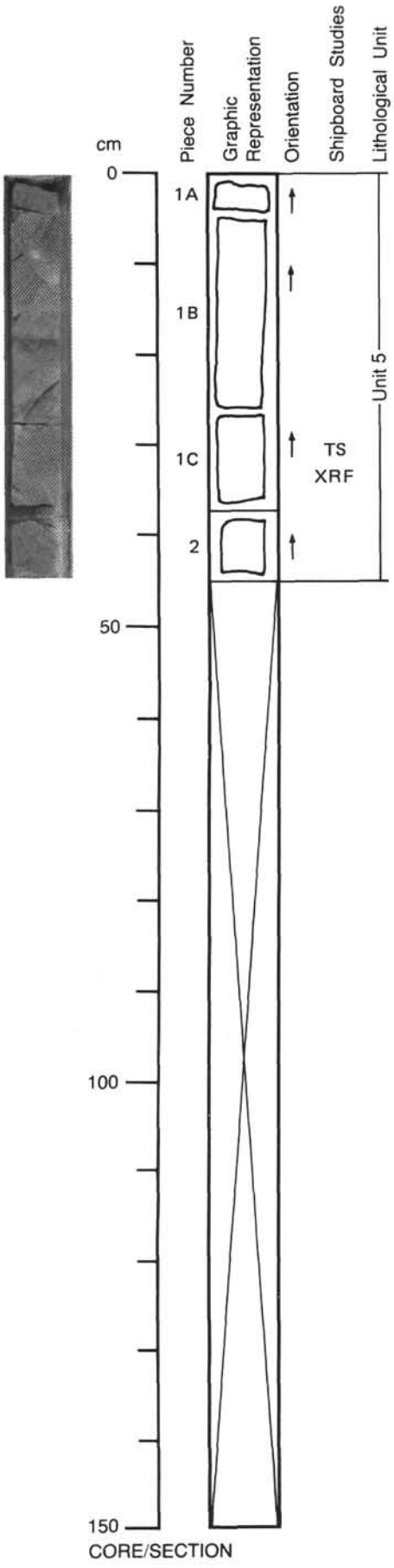


120-750B-16R-7

UNIT 5: CONTINUED

Piece 1

CONTACTS: Not determined.
PHENOCRYSTS:
Plagioclase - 7%, 1-2 mm, euhedral.
Clinopyroxene - 5%, 0.5-1.5 mm.
GROUNDMASS: Fine-grained to microcrystalline.
VESICLES: 1-2%, < 1 mm, irregular shaped, infilled with green clay.
COLOR: Gray.
STRUCTURE: Not determined.
ALTERATION: Slight.
VEINS/FRACTURES: A few subhorizontal fractures.
ADDITIONAL COMMENTS: Alternating irregular fine-grained/microcrystalline and phenocryst-rich, coarser bands up to a few cm thick. Piece 1K: a 2 cm thick coarse-grained, phenocryst-rich inclusion.

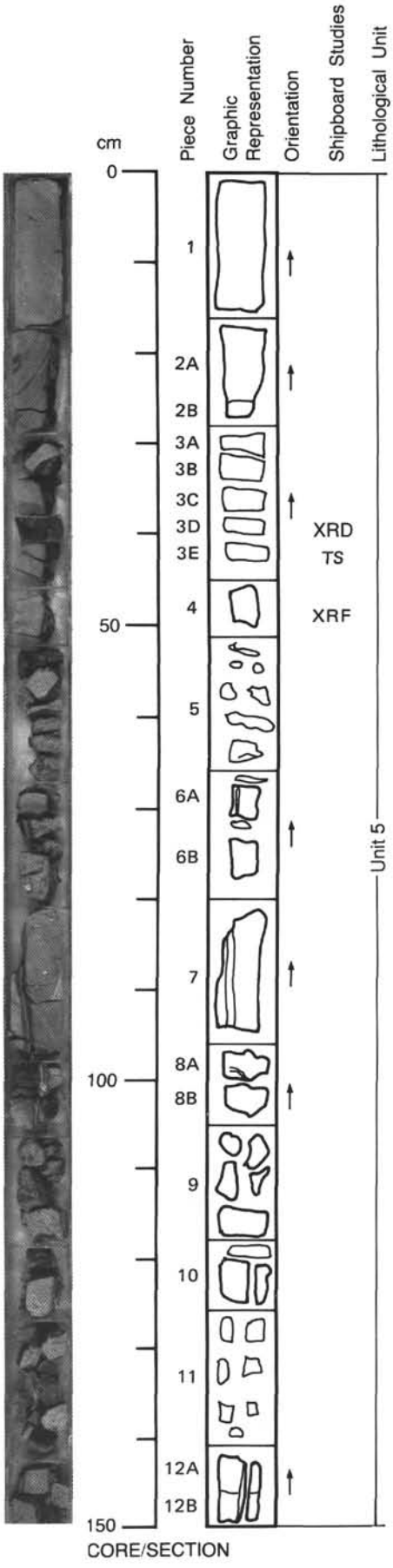


120-750B-16R-8

UNIT 5: CONTINUED

Pieces 1-2

CONTACTS: Not determined.
PHENOCRYSTS:
Plagioclase - 7%, 1-2 mm, euhedral.
Clinopyroxene - 5%, 0.5-1.5 mm.
GROUNDMASS: Fine-grained to microcrystalline.
VESICLES: 1-2%, < 1 mm, irregular shaped, infilled with green clay.
COLOR: Gray.
STRUCTURE: Not determined.
ALTERATION: Slight.
VEINS/FRACTURES: A few subhorizontal fractures.
ADDITIONAL COMMENTS: Alternating irregular fine-grained/microcrystalline and phenocryst-rich, coarser bands up to a few cm thick. Piece 1B: a 2 cm thick phenocryst-rich irregular layer.

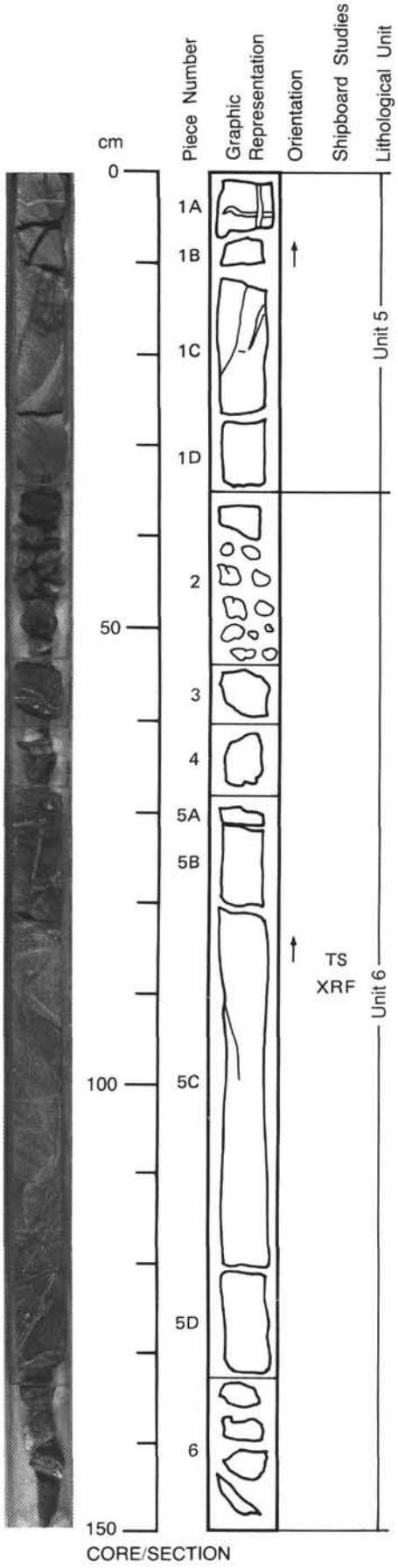


120-750B-17R-1

UNIT 5: CONTINUED

Pieces 1-12

CONTACTS: Not determined.
PHENOCRYSTS:
Plagioclase - 7%, 1-2 mm, euhedral.
Clinopyroxene - 5%, 0.5-1.5 mm.
GROUNDMASS: Fine-grained to microcrystalline.
VESICLES: Pieces 1-5 (top): 3-6 mm occasional amygdules filled with green clay and zeolites.
COLOR: Gray.
STRUCTURE: Not determined.
ALTERATION: Slight.
VEINS/FRACTURES: Pieces 5 (bottom)-12: a 1-cm thick vertical layered vein cuts through the basalt. Vein is lined with calcite and filled with thin (up to 1 mm thick) layers of green clays, quartz, and zeolites.



120-750B-17R-2

UNIT 5: CONTINUED

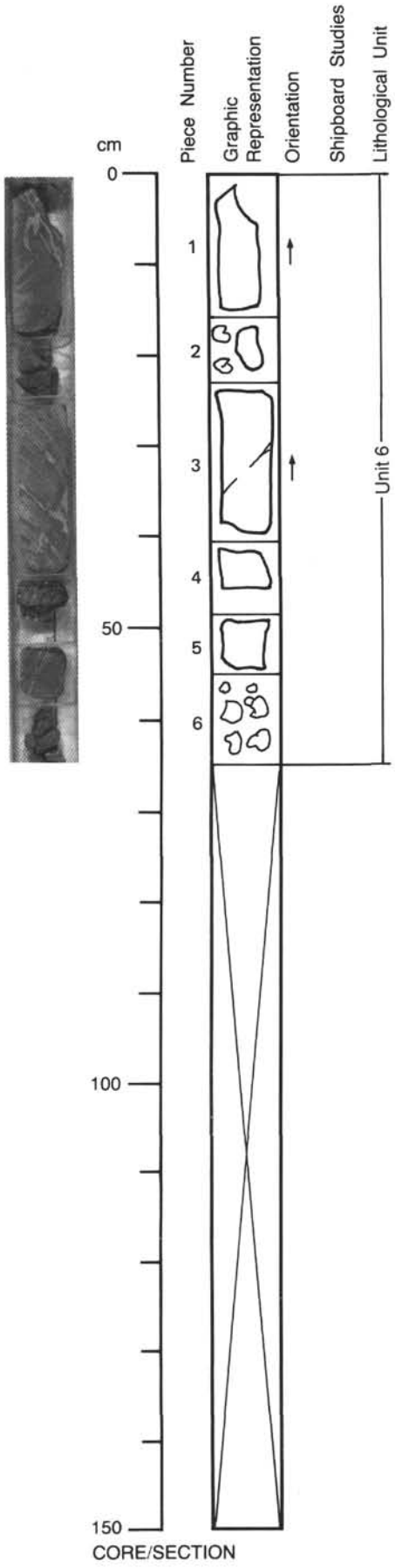
Pieces 1A-1D

CONTACTS: Not determined.
PHENOCRYSTS:
Plagioclase - 7%, 1-2 mm, euhedral.
Clinopyroxene - 5%, 0.5-1.5 mm.
GROUNDMASS: Fine-grained to microcrystalline.
VESICLES: (?)%, up to 2 mm, vesicles filled with green clay.
COLOR: Gray.
STRUCTURE: Not determined.
ALTERATION: Slight.
VEINS/FRACTURES: Rare.

UNIT 6: APHYRIC BASALT

Pieces 2-5

CONTACTS: Piece 2: upper contact of Unit 6. Fine-grained chilled zone, crystals are not present. Glass altered to clay minerals.
PHENOCRYSTS: Aphyric.
GROUNDMASS: Microcrystalline.
VESICLES: None.
COLOR: Green gray.
STRUCTURE: None.
ALTERATION: Moderate.
VEINS/FRACTURES: < 1 mm thick calcite and zeolite veins; up to 1 cm thick veins of calcite and green clays and zeolites.



120-750B-17R-3

UNIT 6: APHYRIC BASALT

Pieces 1-4

CONTACTS: Not determined.
PHENOCRYSTS: Aphyric.
GROUNDMASS: Microcrystalline, fine-grained.
VESICLES: None.
COLOR: Green gray.
STRUCTURE: Not determined.
ALTERATION: Moderate.
VEINS/FRACTURES: (?)%, 1-8 mm, veins filled with green clay.